

GAMES

*Try
These
In
For
Size*



Can you name these monuments to civic pride
(shown here out of scale)?
And rank them in order of height?
Answer, page 72

CARTERET NJ 07008
DBG
1 CAM
/SVAT 16366 50493 22015 N0483

BENSON & HEDGES

The Deluxe 100.



© Philip Morris Inc. 1982

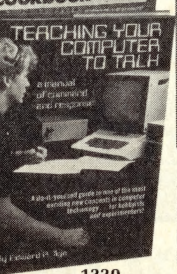
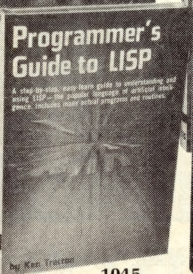
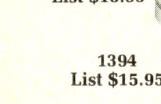
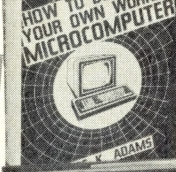
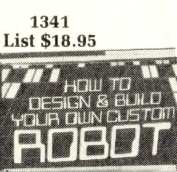
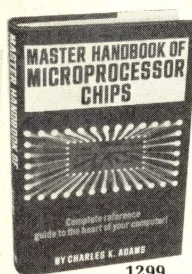
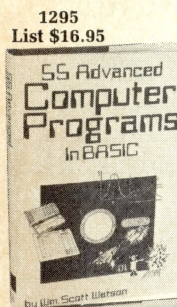
Warning: The Surgeon General Has Determined
That Cigarette Smoking Is Dangerous to Your Health.

Lights

10 mg "tar," 0.7 mg nicotine av. per cigarette, FTC Report Dec.'81.

A black and white photograph of a vintage computer setup. It features a large, boxy CRT monitor with a thick bezel and a small, integrated handle at the bottom. Below the monitor is a separate keyboard with a numeric keypad and a small, rectangular trackball or mouse. The entire setup is on a light-colored surface.

**Select 6 fact-filled books
for only \$2⁹⁵ (total value up to \$106.70)**



**7 very good reasons to try
The Computer Book Club**
Blue Ridge Summit, PA 17214

- 

Blue Ridge Summit, PA 17214

GM-582



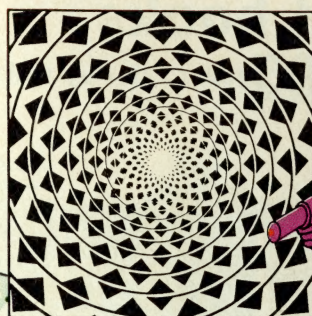
GAMES



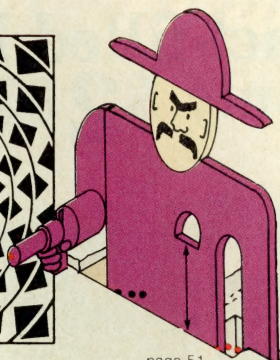
page 54



page 18



page 20



page 51

ENCORE!

**Equation
Analysis
Test**

page 28

FEATURES

-
- 18 A Walk on the Wild Side** How a Lost Soul Found Direction Through Orienteering *Anne Ashley*
-
- 20 Illusions & Delusions** Seven Tricks of the Mind's Eye *David Pope*
-
- 22 The View Over the Fat Farm Wall** One Picture Is Worth a Thousand Calories *Sandra Forrest*
-
- 25 Breakfast Special** Sink Your Teeth into a Time-Sequence Puzzle *Hugues Colson*
-
- 49 American Averages** Mean Figures from Everyday Life *Mike Feinsilber and William B. Mead*
-
- 51 Strokes of Genius** Tee Off at Our Dream Miniature Golf Course
-
- 54 Star Crossed** Can You Identify These Mixed-Up Oscar Winners?
-
- ?? Find the Fake Ad** Which of the Pitches is Full of Hitches? *(Answer Drawer, page 71)*
-

FEATURE SECTIONS

-
- 27 Pencilwise** Sixteen Pages of Crosswords and Other Entertainments
-
- 63 Wild Cards** All the Things We Didn't Dare Put Anywhere Else
-

CONTESTS

-
- 15 Pinball Maze** Light Up the Highest Score and Win Atari's Coin-Operated Tempest
-
- 61 Postage Due** Create Your Own Commemorative Stamps
-
- 60 Contest Results** Flying Games, Spider Web, and Mental Jogging
-

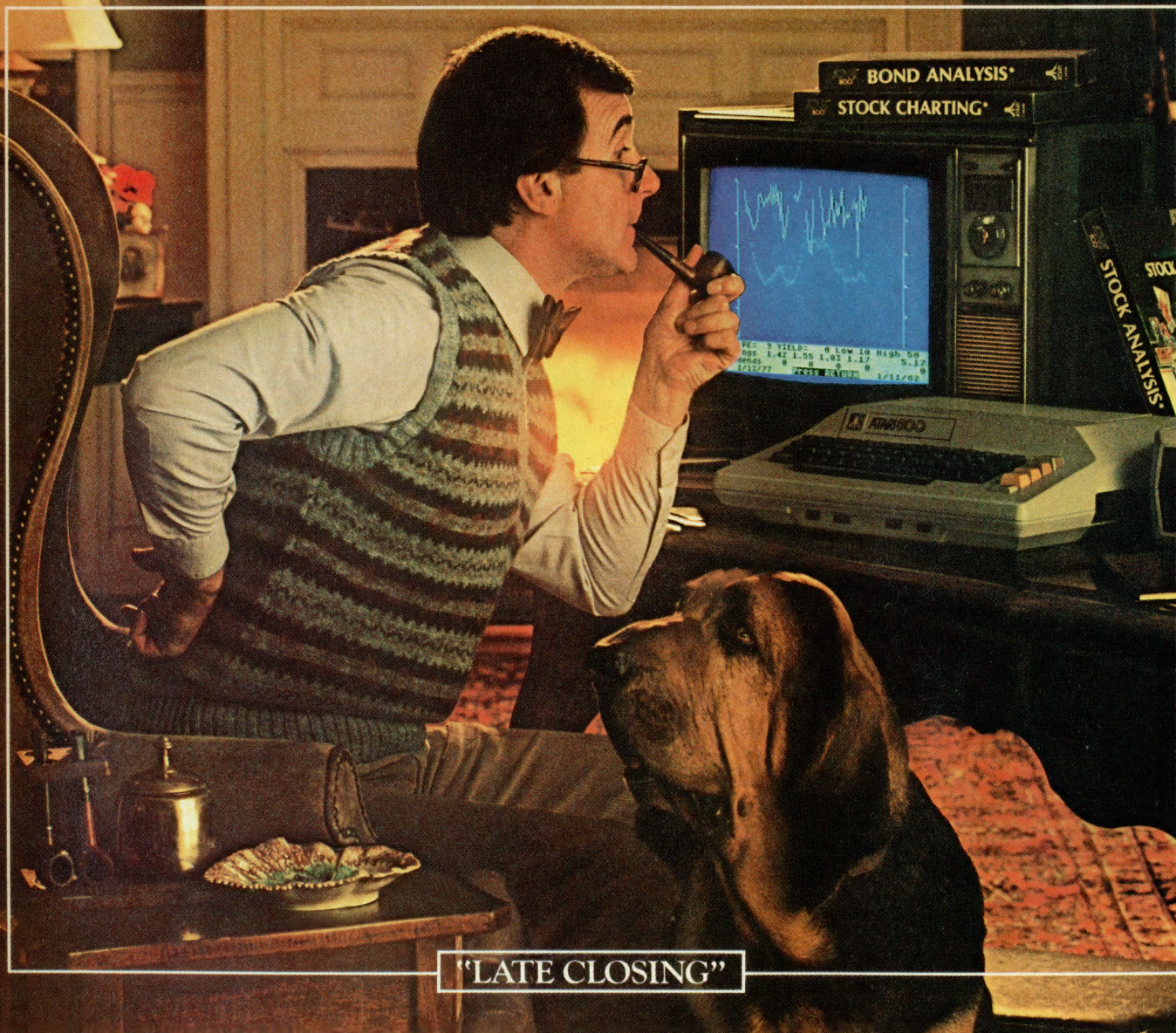
DEPARTMENTS

-
- | | | |
|--------------------------|-------------------------|---------------------------|
| 4 Your Move | 11 Gamebits | 58 Eyeball Benders |
| 6 Letters/Laundry | 16 Logic | 68 Answer Drawer |
| 7 Events | 56 Games & Books | 72 Eureka |
-

Difficulty Rating: **Smooth Sailing** ★ **Uphill Climb** ★★ **Proceed at Your Own Risk!** ★★★ **Mixed Bag** ★☆

Cover: Don Wright

Cover subtitle: Willard M. Lane



"LATE CLOSING"

TAKE STOCK IN YOUR FUTURE.

With an ATARI® Home Computer, your life begins moving briskly toward tomorrow. And you begin doing things in new ways. Keeping ahead of what's happening around you.

Take ATARI's Investment Analysis Series. While you take care of market strategies, it takes care of all the numbers. From the daily worth of your portfolio to the options on your Options.

The ATARI Stock Charting* program gives you another way to look at your finances. With colorful graphs and every decimal point in place.

There are hundreds of ways an ATARI Home Computer can open your eyes and your mind, easily and inexpensively. Because owning one isn't like having just another possession. It's discovering abilities you didn't know you possessed.



© 1982 ATARI Inc.



For more information, write: Atari, Inc., Dept. G4N, P.O. Box 16525, Denver, Colorado 80216. Or call: 800-538-8547; 800-672-1430 CA.
*A Control Data CYBERWARE™ product manufactured under license from Control Data Corporation © 1980.

ATARI® HOME COMPUTERS
We've brought the computer age home.™

Your Move

If the puzzles we receive are any indication, many readers enjoy challenging us as much as solving our challenges. Which is why, beginning with this issue, this space will be used from time to time for readers to share their own games and puzzles with one another.

Send us your ideas for this page, c/o Your Move, and we'll pay \$15 and up (depending on length and complexity) for each item we select for publication. Manuscripts may be edited for clarity, and none can be returned unless accompanied by a stamped, self-addressed envelope. Please *don't* send crosswords, cryptograms, word searches, or any other type of puzzle that we publish regularly. Also, remember that space is limited—if your idea can't fit in the area below, we can't use it here. *Answer Drawer, page 72*

Letter S Football Mess ★★

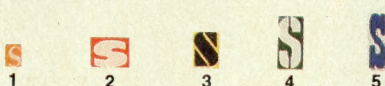
Can you identify each National Football League team by the final S in its logo?

Ronnie Siberg
Lake Park, MN

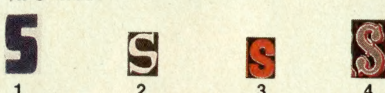
NFC East



NFC Central



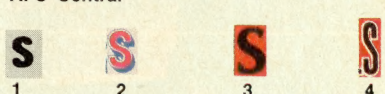
NFC West



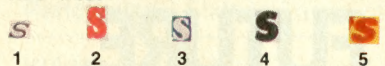
AFC East



AFC Central



AFC West



Color Stuffer ★☆

I enjoy your puzzle contests, especially the "stuffers." I got to wondering—how about a color stuffer? Try to fit the most color names (without repeating any) into a 15 x 15 grid to form an interlocking pattern. Words that are not names of colors are not allowed. There are lots of possibilities: everything from your basic red, white, and blue to the more subtle ochre, umber, puce, bone, Nile, and so on.

—James M. Curry IV

The best effort we receive by July 15, 1982, will win a game from our library and will appear in the Answer Drawer in a future issue.—Ed.

More Body Language ★

Here are some rebuses inspired by your "Body Language" puzzle (March/April 81). If you pronounce the letter along with the action it is performing, it will sound like a word. Can you translate these examples?

The Resource Class
Palmetto Junior High School
Miami, FL



Cribbage Solitaire ★★

Deal yourself 17 cards, and then try to arrange 16 of them into a 4 x 4 grid so that the four horizontal rows and the four vertical rows, added together, score the most points under the rules of cribbage. The card you choose to leave out of the grid is your up-card, which is common to all hands. Remember, score 2 points for each pair; 2 points for each combination of cards totaling 15; 1 point each for cards in flushes; 1 point each for cards in runs of three or more; and 1 point for a jack that is the same suit as the up-card.

Dealt the following cards, it's possible to make this grid scoring 67 points. Using *any* 17 cards of your choice, what is the highest-scoring grid you can construct?

Jim Cummins
Battle Creek, MI

J ♠	Q ♣	J ♥	K ♦	(16)
K ♠	7 ♣	6 ♥	2 ♦	(7)
9 ♠	9 ♦	8 ♥	10 ♦	(10)
2 ♠	A ♣	3 ♥	3 ♠	(8)
(8)	(4)	(6)	(8)	67 total points

GAMES

Editor Ronnie Shushan
Managing Editor Jacqueline Mason
Senior Editors R. Wayne Schmittberger, Will Shortz
Associate Editor Curtis Slepian
Assistant Editors Lisa S. Feder, Mike Shenk, Jamie Adams
Editorial Assistants Georgianna Dwight, Marguerite Salvatore
Contributing Editors Bernie De Koven, Roger Dionne, Henry Hook, Andy Meisler, Marvin Miller, David Pope, Gloria Rosenthal, Sid Sackson, Joe Schick, Stephanie A. Spadaccini, Philip M. Wiswell
Copy Editor Burt Hochberg

Design Director Don Wright
Associate Art Director David Herbick
Assistant Art Director Barry Simon
Layout Artists Joe Lertola, Robyn Holmes, Greg Thompson

Production Director Martha Weber
Production Editor Sarah Scrymser
Advertising Production Coordinator Margot Eisenberg

Publisher Jerry Calabrese
Business Manager Ben Wolman
Controller Sam Ananian
Assistant to the Publisher Jan Elstun
Bookkeeper Rochelle Medina
Promotion Consultant Troy Davis
Administrative Assistant Annette O'Donnell
Secretarial Assistant Julia Rhoda

National Advertising Sales Manager Paula Fierman
Account Executives: New York Shelia Phillips, David Miller, Joe Failla Midwest Larry Benson, Bill Coffee, Pete Johnson, Mark McGowan Los Angeles Bob Sperling, Bob Perkins San Francisco Bob von der Lieth, Tom Jones, Meg Page Game Industry Roy L. DeVries
Direct Response Ron Piccini
Administrative Assistant Linda Verdun

Circulation Director Reba Palker
Circulation Promotion Manager Nancy Tuck
Fulfillment Manager Colleen Ryan
Circulation Assistants Patricia McCabe, Yvette Watts
Circulation Production Consultant Carmen Berman
Newsstand Sales Director Stan Budner
Newsstand Promotion Manager Judy Lin

PLAYBOY ENTERPRISES, INC.
Chairman Hugh M. Hefner
President Derrick J. Daniels
Senior Vice President Nat Lehrman
Vice President Michael Laurence

Subscription Rate: \$7.97/6 issues, \$14.97/12 issues, \$19.97/24 issues in the U.S. and possessions. In Canada and other countries add \$2.00 per 12-issue sub. **Back Issues:** \$2.50 per copy from Games. BACK ISSUES: 515 Madison Ave., NY, NY 10022. Specify cover-month and year. (The first issue was dated Sept./Oct. 77.)

Editorial Correspondence: The Editor, Games, 515 Madison Ave., NY, NY 10022. All manuscripts, photographs, and artwork must be accompanied by return postage and are submitted at the sender's risk. Any material sent to Games in response to any invitation in this issue will become the sole property of Games and may be published or otherwise disposed of at the discretion of Games Magazine without further notice. Contests are void where prohibited or restricted by law and are closed to employees of Games Magazine, Playboy Enterprises, Inc., and their families. It is not necessary to buy Games in order to enter its contests. For a copy of contests in this issue, write Games, c/o Contest Copies. The decision of the judges is final in all Games contests. Taxes on prizes are sole responsibility of winners.

Advertising Correspondence: Games, 515 Madison Ave., NY, NY 10022, 212-421-5984—Perkins, Stephens, von der Lieth & Hayward, Inc., 4311 Wilshire Blvd., Los Angeles, CA 90010, 213-934-6600; 417 Montgomery St., San Francisco, CA 94104, 415-434-2675—The Benson Company, 1411 Peterson Ave., Park Ridge, IL 60068, 312-692-4695. Games reserves the right to make independent judgment as to the acceptability of advertising copy and illustrations. Advertisers and agencies assume liability for any claims arising from the content of their ads.

To Subscribe or Renew: Games, P.O. Box 10145, Des Moines, IA 50340. **Subscription Problems:** Delores Valdez, P.O. Box 10146, Des Moines, IA 50340, or call toll-free (800)-247-5470. **To Change Address:** Games, P.O. Box 10148, Des Moines, IA 50340. Please allow 6 weeks for change of address. The date of the last issue of your sub. is on the upper right corner of the mailing label. Attach that label when writing about service, renewal, or change of address.

Reference to a product name without its trademark status is not meant to suggest lack of trademark rights in that name.

Games (ISSN 0199-9788) published bi-monthly by Playboy Enterprises, Inc., 919 N. Michigan Avenue, Chicago, IL 60611. © 1982 by Playboy. Games is a trademark of Playboy. All rights reserved. Printed in the U.S.A. No part of this issue may be reproduced by any mechanical, photographic, or electronic process, or in the form of a phonographic recording, nor may it be stored in a retrieval system, transmitted or otherwise copied for public or private use without permission in writing from the publisher. Second-class postage paid at New York, NY, and at additional mailing offices.



"Yeah, I used your special fly. No!...it's bigger than that! Must be the granddaddy of that one Harry got last year. I'd say it's about...well, let's just say it's lucky we all like fish."

A laugh. A smile. A fish story. Reach out and keep faraway friends part of your life.



Bell System

Reach out and touch someone.

LETTERS

Blarney

I don't usually do word search puzzles, but "Erin Go Bragh" (March/April, page 30) tempted me with its Gaelic word list. As I zigzagged through the puzzle, I stumbled upon several English words: IRISH (several times) and HAPPY SAINT PATRICK'S DAY (in the 5th and 6th lines)! Wishing you the same.

Richard Schutz
Philadelphia, PA

That's only the tip of the iceberg. The complete greeting hidden in the unused letters of the grid reads as follows:

"The author and editors wish you a very happy Saint Patrick's Day. May the wind be always at your back, may the road rise up to meet you; and may you be in heaven half an hour before the devil knows you're dead. When Irish eyes are smiling, sure tis like a morn in spring. In the lilt of Irish laughter you can hear the angels sing. May the luck of the Irish forever be with you, but this is not the hidden contest. Edith Rudy." —Ed.

Secret Message Is Fool's Gold

I HATE CROSSWORD PUZZLES. But I did the "Secret Message" (March/April, page 31) only to find that it wasn't the Hidden Contest! If I weren't a lady, I'd punch Henry Hook in the nose.

Kit M. DuRocher
Royal Oak, MI

There's still time to find the real March/April Hidden Contest. Look for results in July/August. —Ed.

Contesting Crash

As the first runner-up in the Crash Contest (January/February, page 57), I was surprised to see that the winning entry contained the word ISN'T, since previously it had been ruled that contractions were not "single" words and were therefore unacceptable. My entry, which follows, is the best possible entry that excludes contractions:

ABLE	FIZZ	JYNX	ONST	TCHI
BAFF	GRUB	KHMU	PFCs	UMPH
CLEW	HSIN	LVOV	ROTL	VUGG
DWAM	IGBO	NEJD	SKYR	XTRA
EDDY				

Kyle Corbin
Raleigh, NC

Although ISN'T is a contraction, we judged it to be listed in Webster's Third as a single word and therefore acceptable under the contest's rules, which did not specifically prohibit the use of words with apostrophes.

We make every effort to present clear, complete contest rules, but new or difficult questions of interpretation in a dictionary as complex as Webster's Third will nonetheless arise from time to time. If a reader is uncertain about the acceptability of a word in a Games contest, he should consider submitting two different entries, one with the word and one without. —Ed.

I wish to take exception to your published winning entry in the Crash Contest. According to your rules, all words must be noncapitalized. I looked up the winning list in *Webster's Third*, and found that the following words are listed as "usually capitalized": KHMU, LVOV, OMSK, TCHI, XTRA. In *Webster's Third*, many words that you and I always capitalize (countries, cities, peoples) are listed as "usu. cap." As examples, OMSK is a Russian city, and LVOV is a Ukrainian City. Would you have accepted IOWA, OHIO, or UTAH?

I think that you should clarify your rules, and/or use a different dictionary.

Laurie Goffman
Sherman Oaks, CA

Since the contest rules allowed words that were "noncapitalized" in the dictionary of record, we felt bound to accept words listed there as "usually capitalized," as well as those "often" or "sometimes" capitalized, regardless of their meanings. Words listed only as "capitalized"—and there are relatively few in Webster's Third—were ruled unacceptable.

Webster's Third has many advantages as a contest word authority, such as its widespread availability and its very minimal revision from one printing to another. You have pointed out one of its disadvantages; and since we agree that the wording of our rule does unexpectedly allow the use of many proper nouns, we will prohibit the use of words designated as "usually capitalized" in most future contests. —Ed.

LAUNDRY BASKET

The rules of the game—it is a game, isn't it?—are: If a reader finds a mistake that affects the play of a game, or a significant error of fact, and we agree the slip needs to be laundered, we'll publish the first or most entertaining letter that points it out. If we publish your letter in the Laundry Basket, we'll thank you with a Games T-shirt.

Mistakes: March/April

★ In our review of Gloria Rosenthal's book *In 25 Words or Less: The Complete Guide to Winning Contests* (page 53), we neglected to list postage charges in the ordering information. The book is available from Book Beat, Dept. G, P.O. Box 554, Valley Stream, NY 11581 at \$4.95 plus \$1.50 for postage. —Ed.

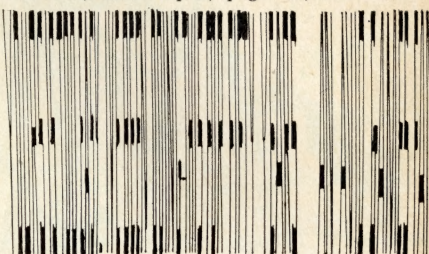
A Yen for Pachinko

"Japanese Pinball" (January/February, page 10) failed to mention the main reason for pachinko's popularity—money. Since gambling is illegal, the pachinko parlors "pay out" in a redeemable substitute currency. I lived in Japan for 19 years, and in the parlors I visited, the substitute was handkerchiefs, which could be exchanged around the corner or in the back for yen. If I wasn't sure where my "gifts" could be redeemed, I'd ask a policeman, or just follow another winner.

Frank Carlson
Visalia, CA

More Than Meets the Eye?

You made a good point in "Wish You Were Here" (March/April, page 62) but:



Answer Drawer, page 68

Dorothy Lampe
Palo Alto, CA

Foolish Pleasure

In response to Norman Rockwell's challenge, I think I've found three more mistakes in his "Nowhere Man" (March/April). First, penguins are not native to the area shown; second, the cord attached to the receiver does not connect to the phone itself; and third, the skis are of different lengths, which can be proven with a compass.

Neal Katz
Far Rockaway, NY

The penguin could be a stuffed toy; the phone cord could go up under the alligator and behind the tree; and the skis could be the same length, merely distorted by foreshortening. April Fool! —Ed.

Mistakes: January/February

★ One would indeed have to do some "mental jogging" to communicate with someone who doesn't speak your language by using Morse code ("Mental Jogging," page 56). Since Morse code simply translates letters into dots and dashes, any message would still be in its original language.

Paul Trotter
Charlotte, NC

Hit Us With Your Best Shots

★ We goofed. In response to many reader letters containing high scores on Atari and Intellivision home video games, we said that we would print the highest scores we were sent that were verified by an accompanying photograph. Many of our readers are better than we are at these games, and were quick to point out that many of them "turn over" (begin scoring at 0) after reaching 9,999 or 99,999 or 999,999—which makes higher scores impossible to verify by photographs. Reluctantly, we withdraw the offer, but will continue to look for a workable verification system that will allow us to print our readers' best shots. —Ed.

The Fin Man

Loved your "Fins of the Fifties" (March/April), and thought of another twist: How many times does photographer Dan O'Donnell's image appear in the puzzle?

Les Seifer
Verona, NJ

Answer Drawer, page 68



Monthly Madness

I was extremely dismayed to read in "Our Move" (March/April) that you're going to start cranking out my favorite magazine monthly. I've constructed puzzles for other puzzle magazines, and seen the quality of those magazines decline with more frequent publication. I fear the same will happen to *Games*. If you can maintain your high standards and quality, it will be a minor miracle in puzzledom.

Judy Knox
Marion, OH

Thank heavens you are going monthly. The wait between issues has been unbearable this winter.

Larry DeGraff
Niles, MI

EVENTS

Backgammon World Amateur Backgammon Championship, at the Dunes Hotel in Las Vegas, Nevada, June 22-27. Players can hedge their bets by registering a newcomer: both players will win \$10,000 bonuses if that newcomer wins more games than other first-timers. Contact: Louise Goldsmith, American Backgammon Championships, Inc., 575 Madison Avenue, New York, NY 10022, or call (212) 486-1489.

Chess The Russian Gambit: A Chess Tour of the U.S.S.R., June 6-20. Shelby Lyman will lead a two-week match/tour through Moscow, Tbilisi, Odessa, and Leningrad, where U.S. players will meet, discuss, and play with the Soviets. Contact: Citizen Exchange Council, 18 East 41 Street, New York, NY 10017, or call (212) 889-7960.

Crosswords *Games* Magazine's First U.S. Open Crossword Puzzle Tournament, in New York City, on August 14. The rules and Qualifying Puzzle are in the March/April *Games*, page 44; qualifying deadline is April 30. The 250 highest-scoring solvers will be invited to the finals to compete for the \$2750 purse.

Contact: Crossword Tournament, *Games* Magazine, 515 Madison Avenue, New York, NY 10022, or call (212) 421-5984.

Dungeons and Dragons D & D Summer Camp, at Shippensburg State College, Shippensburg, Pennsylvania, July 11-16 and July 18-23. Fifty campers will gather for each week-long workshop, where counselors act as dungeon masters and expert players lecture on Clerics and Magic-Users and the like. Contact: Dr. Keith Kraus, Shippensburg State College, Shippensburg, PA 17257.

Sandcastling International Sandcastling Contest at the Sheraton Sandcastle in Sarasota, Florida, May 8. Armed with pails, shovels, and energy, sand sculptors creatively compete for a grand prize weekend at the hotel. Contact: Pat Zellmer, 1449 Wagon Wheel Drive, Sarasota, FL 33582.

Scrabble The Eastern Open Scrabble Players Tournament, in Stamford, Connecticut, June 26-28. Players lay their tiles on the board for trophies, the title, and cash prizes. Contact: Christine Sigel, 2310 New York Avenue, Huntington Station, NY 11746, or call (516) 549-4590.

World's Fair The 1982 World's Fair will be held in Knoxville, Tennessee, May 1-October 31. Energy is the fair's theme, and visitors will view the world's largest video screen, a section of the great wall of China, and Japanese robots, in high-tech pavilions from more than 21 other countries. Contact: Mark Grossman, (615) 971-1540.

COINTREAU LIQUEUR, 80 PROOF, RENFIELD IMPORTERS, LTD., NY © COINTREAU CORP. 1981.



On certain nights, it would be unthinkable to order mere cognac.




ONLY COINTREAU IS COINTREAU.

Warning: The Surgeon General Has Determined
That Cigarette Smoking Is Dangerous to Your Health.

LIGHTS: 9 mg. "tar", 0.7 mg. nicotine, LIGHTS 100's: 10 mg. "tar",
0.8 mg. nicotine, av. per cigarette by FTC method.

You've got what it takes.

**Salem
Spirit**



Share the spirit.
Share the refreshment.
Light, fresh Salem Lights.



A photograph showing three people on BIC sailboards on a body of water. The sailboards have large yellow sails with the BIC logo. The people are standing on the boards, holding the sails. The background shows a line of trees on the shore under a clear sky.

IT'S THE FASTEST GROWING SPORT IN THE WORLD. HOW HARD CAN IT BE?

It's difficult to describe the feeling of catching the wind on a sailboard. There's primitive joy in it. A rush of excitement mixed, somehow, with feelings of serenity. They're emotions almost unparalleled in all of sport.

Suffice it to say, once having experienced sailboarding it's easy to understand why it's sweeping the world.

But there's another reason for its popularity: it's easy. You don't have to be a great athlete to master it. In fact, you don't even have to be in great shape. One or two lessons and you've learned it. The rest

is practice. Women are particularly good at sailboarding. Men in their 30's and 40's and even 50's have little trouble. And teenagers, not surprisingly, pick it up in no time. It's one of the few sports that parents can really share with their kids.

You can sailboard anywhere. You don't need an ocean. A lake, a bay, an inlet, even a big pond will do. In fact, you hardly even need any wind. Only about 2 knots.

Why are we telling you all this about sailboarding? Simple. The fastest-growing board in this fastest growing

of sports is ours: the BIC Sailboard. In just 2½ years since its introduction, it has become the largest-selling board in the world.

For good reason. The BIC board is unusually stable. Which makes it very easy to learn on and stay on. It's of exceptional quality—marketed in Europe by Dufour, one of the world's great yacht makers. And yet our board costs far less than those of comparable quality. Just \$699.*

We urge you to pick yourself up off the sand and try sailboarding just once. How hard can that be?

For additional information and the name of the BIC Sailboard dealer nearest you, call 800-243-6699, or write: BIC Leisure Products Inc., 1070 Sherman Ave., Hamden, Conn. 06514

*Manufacturer's suggested retail price.



© 1982 BIC Leisure Products Inc.

GAMEBITS

Edited by Curt Slepian

Photos by The Public Art Fund, Inc.



Do you buy this Brooklyn Bridge?: A before and after of Haas's Peck Slip mural at the South Street Seaport in New York.

Grand Illusions

Whenever Richard Haas visits a city, he finds himself up against a wall. Using a Renaissance painting technique known as *trompe l'oeil* (literally, "trick the eye"), and with the facades of old brick

buildings for his canvases, Haas creates startling three-dimensional illusions on a grand scale.

His mural on the side of the Boston Architectural Center reveals a "cut-away" view of an imaginary classical structure, complete with balustrades, columns, arches, and a great central dome—just the kind of image you'd find

in a textbook in the center's library. And in lower Manhattan, passers-by do a double take when they see *two* Brooklyn Bridges: the one Haas painted on a building in Peck Slip and the real bridge looming above it.

How does he get his ideas? "Companies and individuals come to me with a building, a wall, a room, sometimes even an idea. But if the idea is too structured, I usually reject it. I like to feel free to play with an empty space. And I'm inspired by 2500 years of architectural tradition..." LaSalle Towers, a Chicago apartment building, demonstrates his playful philosophy. Haas transformed this once-drab highrise by painting on it the shadow of a doric column, the illusion of bay windows, and a variation of the golden archway built for the 1893 World's Columbian Exposition. This was the first time Haas had used an entire building, and it gave observers the chance to view his work from all angles.

With so many new glass and steel skyscrapers going up, what will Haas be doing in twenty years? "Probably standing in a breadline," he mused. "But I think there's going to be a resurgence of brick architecture. All this glass and steel is energy-inefficient."

We asked Haas to name his favorite among the many illusory facades he's done. "That would be like lining up your children and then having to name one favorite. I couldn't—could you?"

Readers can view his works in a new book, *Richard Haas: An Architecture of Illusion* (Rizzoli, \$35), and a collection of his drawings is touring museums and galleries throughout the country.

—L.F.

Big Deal

At Think Big!, small is definitely *not* beautiful. This bi-coastal pop art gallery is bursting at the seams with potato peelers for boulder-size spuds, toothbrushes large enough for an elephant's molars, tennis racquets bigger than John McEnroe's mouth, and a remarkable array of other Bunyanesque objects.

The handcrafted replicas range from an 8½-by-11-inch while-you-were-out telephone message pad (\$2.50) and a 21-inch wooden match (\$10) to a \$350 basswood and canvas director's chair that could seat simultaneously Alfred Hitchcock and Orson Welles.

If you can't size them up in person, write Think Big! at one of these locations: 390 West Broadway, New York, New York 10012; 355 Geary Street, San Francisco, California 94102. —C.S.

If you think the crayon's big, you ought to see the coloring book.



Photo by Kimberly Butler

Love Is Just a Kiss Away

Pucker up for charity.

That was the call that went out to scores of international celebrities, who generously responded with a kiss. Their lip prints were then auctioned to raise money for the Save the Children Federation (Westport, Connecticut 06880), a nonprofit agency that aids needy children. The lip prints below belong to Dick Clark, Erik Estrada, Carrie Fisher, James Galway, Debbie Harry, Rita Moreno, and Charlene Tilton. Try to guess whose smackers are whose.

Answer Drawer, page 72



Rubik Ad Absurdum

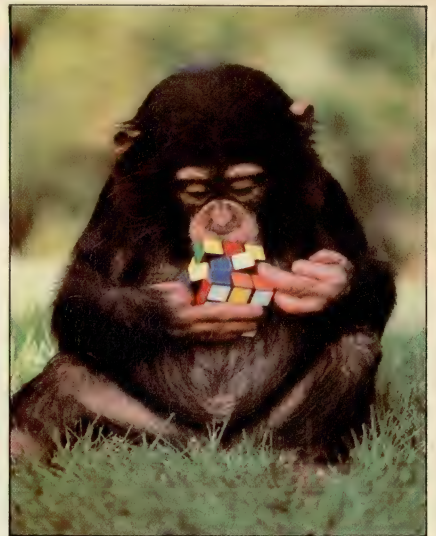
David Singmaster, author of *Notes on Rubik's Magic Cube*, dropped by our office recently to show us the latest twists.

From his small blue suitcase spilled a cornucopia of cubes and cube variations: octahedrons, pyramids, prisms, and sphere puzzles (including a globe, complete with stand, that combines a geographical and geometrical challenge). But none was more ingenious than a matched pair of hinged cubes that fold into each other like flexagons to form star and rectilinear shapes.

Among Singmaster's hoard of novelties were X-rated cubes, advertising cubes, and a custom-made Braille model for the blind. Perhaps the most unusual spin-off was a Royal Wedding cube that jumbles the features of Prince Charles and Lady Di. Says Singmaster, "My English friends think their appearance is much improved when they exchange each other's hair and ears."

Demonstrating homemade twists that can be created by removing or replacing the cube's colored stickers, Singmaster produced an all green "Irish" cube, an entirely white one that Johannesburg students satirically refer to as "the South African voters cube," and a two-colored version appropriately called the "Boob Cube."

The cube glut seems only to whet the appetite of cubeaholics, and has moved Singmaster to write a quarterly newsletter,



Monkey see, monkey do ...

ter, "Cubic Circular," filled with new puzzles and cube information. (One-year subscriptions are available for \$5 from David Singmaster Ltd., 66 Mount View Road, London N4 4JR, England.)

While Singmaster completed his stiffest puzzle challenge—fitting all his cubes back into his suitcase—he described two new items upcoming from Ideal, the company that distributes the original Rubik's Cube in the United States. One is "Rubik's Revenge," a four-by-four-by-four cube; the other is a calendar cube, on one side of which you're supposed to set the day, date, and month. Laughs Singmaster, "By the time you get the date right, you'll be late for work."

—C.S.

One Good Return Deserves Another

Boomerangs are as indigenously Australian as the koala bear and the 25-ounce beer can. Yet last November, in the first international boomerang tossing contest, a team of upstart Yanks threw the best Australian chuckers for a loop even though the Aussies were playing on their own turf and by their own rules.

Avoiding trick-shot events—the strength of the U.S. team—the Aussies had divided each match on the week-long tour into five tests: fast catch, accuracy, maximum time aloft (since descending 'rangs had to be caught, this was particularly punishing to the hands), distance out and back (not to be confused with the outback), and distance and accuracy combined. From Melbourne to Sidney, the underdog Americans outflung the Aussies in all

three of the all-star matches and in three of the four local contests.

Although their wins didn't surprise the confident 10-man U.S. squad, it flipped out the Aussies. Team members took their defeats with a stiff upper lip, but the press from Down Under seemed to think the world had been turned topsy-turvy. "Shame!" screamed one headline. And the *Sidney Telegraph* wrote:

Yesterday should be forgotten. It should be expunged from the memory, deleted from the records. It should never have been allowed to happen.

America 3, Australia 0—... It's enough to make any self-respecting Aussie go bush!

Though no return match will likely take place before 1983, you can bet the Australians are already planning a boomeranging comeback.

—Benjamin Ruhe

As we've been saying, you couldn't find a better whisky
if you stood on your head.



SEAGRAM DISTILLERS CO. N.Y.
BLENDED CANADIAN WHISKY 80 PROOF



A GAMES CONTEST ★★★

Grand Prize
A full-size, coin-operated
ATARI TEMPEST video game

5 Runner-Up Prizes
A Games T-shirt



Score as many points as possible traveling through this pinball maze without retracing your path.

In previous pinball mazes, readers have consistently topped our published "highest possible score." This time, we've made no attempt to figure out the best route—it's completely up to you.

Moving Through the Maze The maze consists of numbered and lettered "posts" connected to one another by white paths. To begin, travel up the path from START to the steel ball, where you enter the maze along one of four paths (leading to 125, A, B, or C) at the top. Once you've entered the maze, you may not return to the steel ball.

Continue to move along the paths from post to post. Each time you come to a post of any type (numbered circle, lit or unlit bulb, or flipper), you may leave it along any one of the other paths connected to it. You may hit the same post more than once, but *you may not travel along any part of the white path more than once*. You must eventually exit the maze along one of the three paths leading to FINISH.

Colors Whenever you hit a lit bulb (A, B, C, H, or J), all the *numbered* posts of the *color hit* "light up." They remain "on" until you hit an unlit bulb (D, E, or F) of

the same color, which turns them off.

Hitting a post whose color is lit scores double the value of that post. A color can be turned on or off any number of times, and you may have 0, 1, 2, or all 3 colors on or off at any time. All colors are off when you enter the maze. The values of purple posts are constant, and are never affected by the lights.

Flags Throughout the maze are a number of "flags" (♦), all of which may be passed over freely. Hitting a flag does not score any points immediately; but keep track of the number of flags you pass over as you go along, for this number will affect your score whenever you hit posts G and K.

Scoring Each time you hit a circular post, you score the number of points printed on it (yellow, green, and red posts scoring double when their color is lit). If you hit a post more than once, you score each time you hit it. When you hit either flipper post G or K, you score ten times the number of flags you have hit, always counting all the way back to the time you left START. When you hit flipper posts L and M, you score points according to the number of colors lit at the time. Your total score for the maze is the sum of all the scores earned at each post as you travel through the maze from START to FINISH.

How to Enter Contest On a sheet of paper, indicate your route through the maze by listing, *in order*, each post hit and the number of points scored there.

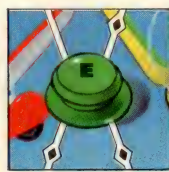
Indicate all unnumbered posts by letter as well. For example, your entry might look like this:

Post	Score
B (lights green)	—
20 green (lit)	40
25 purple	25
(flag)	—
F	—
(flag)	—
40 yellow	40
K (10 x 2 flags)	20
(flag)	—
10 red	10
40 yellow	40
30 green (lit)	60
K (10 x 3 flags)	30
(flag)	—
15 purple	15
J (lights yellow)	—
(flag)	—
M (50 x 2 colors lit)	100
30 green (lit)	60
FINISH	—
Total Score	440

Be sure to include your name and address on your entry. **IMPORTANT:** You must also write your total score on the back of the envelope in which you submit your entry.

Winning The entry with the highest score wins. Ties will be broken by random draw. The decision of the judges is final. Mail your entry to: **Air Race, Games Magazine, 515 Madison Avenue, New York, NY 10022. Entries must be received by July 1, 1982.**

Illustration by Jim Cherry



THE GAME TO PLAY FOR \$149.95



Video Computer System comes with joystick and paddle controllers, Combat Game Program cartridge, TV switch and AC adapter.



ATARI

A Home Communications Company

Atari Cartridges
from \$7.99

We carry Street Racer, Pele's Soccer, Space Invaders, Warlords, Indy 500, Asteroids, Home Run, Football, Pac Man, Othello, and much, much, more.



CALL TOLL FREE
1-800-327-0596

744 N.E. 167th STREET
NORTH MIAMI BEACH, FLORIDA 33162

Logic ★★

This is Not a True Title: *True or False?*

As logicians go, Raymond Smullyan is an unusually prolific puzzle constructor. The author of many logic collections—What Is the Name of This Book?, The Chess Mysteries of Sherlock Holmes, and The Chess Mysteries of the Arabian Knights, to name just a few—he has been grinding down our pencil points for years.

Smullyan delights in posing paradoxes and creating controversial puzzles, as you will see in the puzzles adapted here from his forthcoming book, *The Lady or the Tiger?* But let's begin with one of his "old chestnuts," a logic puzzle of a type that's been argued about for decades.

Answer Drawer, page 68

The Politician Puzzle

Imagine a convention attended by one hundred politicians. Each politician is either crooked or honest. We are given the following two facts:

1. At least one of the politicians is honest.
2. Given any two of the politicians, at least one of them is crooked.

Can it be determined from these two facts how many of the politicians are honest and how many are crooked?

The Lady or the Tiger

I. You come to the end of a passageway and see two doors. You must choose one door and enter that room, knowing that either a lady or a tiger awaits you. There could be ladies in both rooms, tigers in both rooms, or a lady in one and a tiger in the other. Your only clues are the signs on the doors. If you know that one of the signs is true and the other false, which door would you open (assuming you want to find a lady)?

IN THIS ROOM
THERE IS
A LADY,
AND
IN THE
OTHER
ROOM
A TIGER.

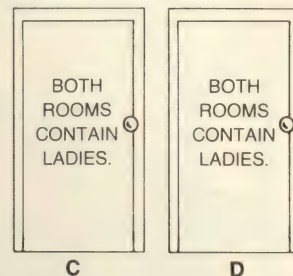
A

IN ONE
OF
THESE
ROOMS
THERE IS
A LADY,
AND IN
ONE
A TIGER.

B

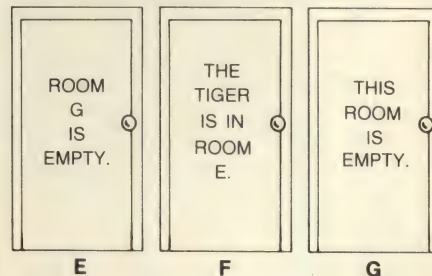
II. You come to two more doors. This

time, you know that if a lady is in Room C, then the sign on that door is true, but if a tiger is in Room C, then the sign on the door is false. You also know that if a lady is in Room D, then the sign on that door is false, but if a tiger is in Room D, then the sign on that door is true. Again, assuming you want to find the lady, which room do you choose?



III. This time you come to three doors, knowing that behind one is a lady and behind another a tiger, and that one room is empty. The sign on the door of the room containing the lady is true. The sign on the door of the room containing the tiger is false. And the sign on the door of the empty room could be either true or false.

Which room contains the lady?



The Case of Karl and Martha

Transylvania is inhabited by vampires and humans; the vampires always lie and the humans always tell the truth. However, half the inhabitants (both human and vampire) are insane and believe all true propositions to be false and all false propositions to be true. The other half of the inhabitants are completely sane and know all true statements to be true and all false statements to be false.

Karl and Martha are twins from Transylvania. What's interesting about them is not only that one of them is a human and the other a vampire, but also that one of them is sane and the other insane. It is not known which is which. Given these two statements:

Karl: My sister is a vampire.

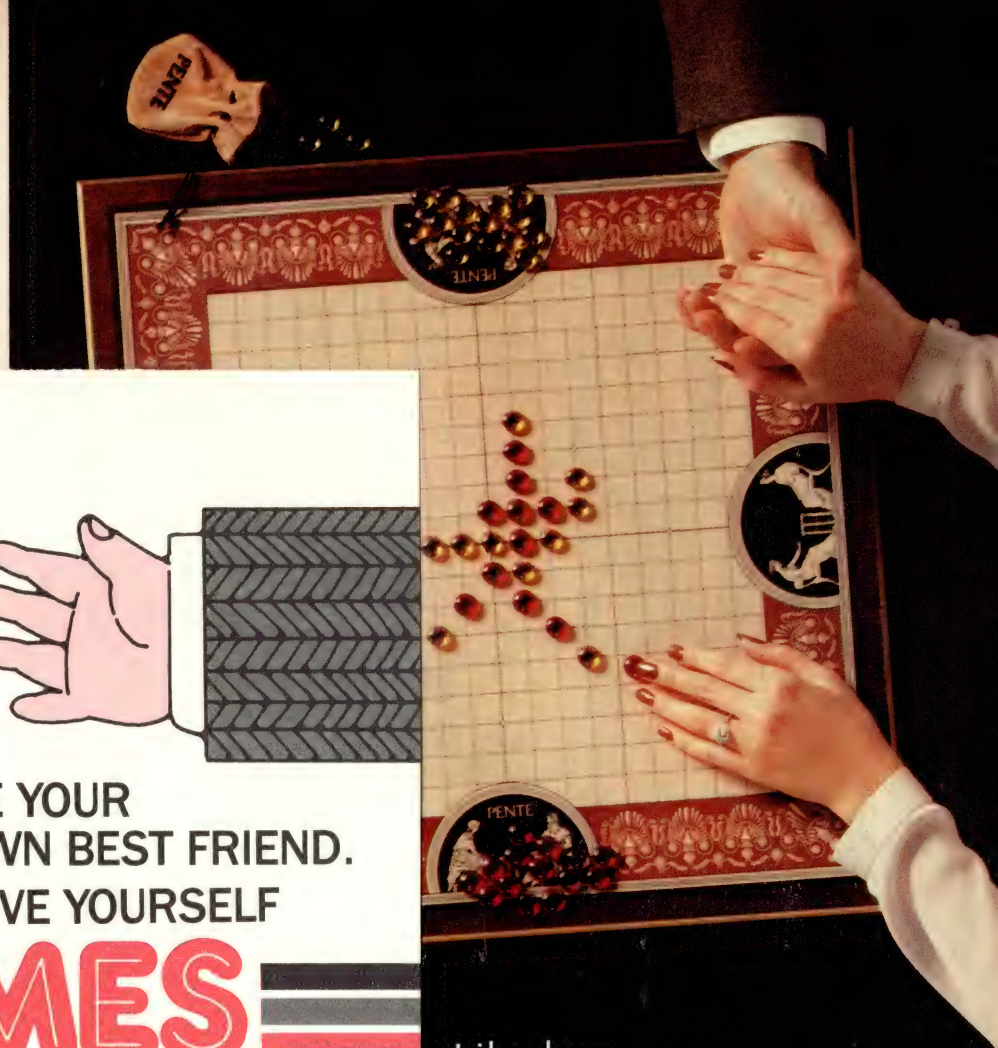
Martha: My brother is insane!

Which one is the vampire?

by Raymond Smullyan

The Island of Questioners

The Island of Questioners derives its name from the fact that its inhabitants



BE YOUR
OWN BEST FRIEND.
GIVE YOURSELF

Save up to **45%** **GAMES**

- ☐ I want to get more fun out of life! Send me 12 issues of GAMES for only \$14.97. (I save 17% off the \$18.00 single copy price)
- ☐ I want to get *twice* as much fun out of life! Send me 24 issues of GAMES for just \$19.97. (I save 45% off the \$36.00 single copy price)
- ☐ Payment enclosed. ☐ Bill me later.

HASA23

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

Please allow 4-8 weeks for delivery of first issue.

For foreign and Canadian orders add \$2.00 per 12 issue subscription.

Like love . . .
easy to learn, but
hard to master.

Intriguing and
mysterious.
Beautifully complex.
A classic game of skill.
Maybe that's why
men and women have
been playing Pente
for as long as
men and women have
been playing games.

Available at fine
department stores.

PENTE®
THE CLASSIC GAME OF SKILL

second defendant.

The second defendant answered "yes" or "no," and the judge then knew which one was John.

Was John the first or the second defendant?

THE GAME TO PLAY FOR \$149.95



Video Computer System comes with joystick and paddle controllers, Combat Game Program cartridge, TV switch and AC adapter.



Atari Cartridges
from \$7.99

We carry Street Racer, Pele's Soccer, Space Invaders, Warlords, Indy 500, Asteroids, Home Run, Football, Pac Man, Othello, and much, much, more.



CALL TOLL FREE
1-800-327-0596

744 N.E. 167th STREET
NORTH MIAMI BEACH, FLORIDA 33162

Logic ★★

This is Not a True Title: *True or False?*

As
an
to
tic
Th
Ho
Ar
ha
po

es
yo
fre
th
hi
ty,
ad

T

Im
hu
the
fol

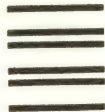
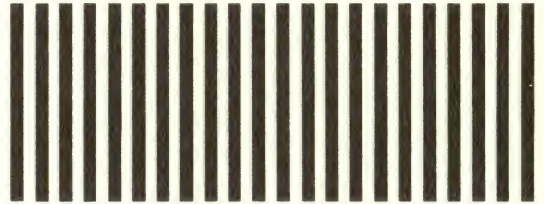
1. est
2. lea

fac
ho

T

I.
an
do
eit
coi
bo
in
sig
of
wh
yo

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



BUSINESS REPLY CARD

FIRST CLASS PERMIT NO. 6484 DES MOINES, IOWA

POSTAGE WILL BE PAID BY ADDRESSEE

GAMES

P.O. Box 10147
Des Moines, Iowa 50347

OTHER
ROOM
A TIGER.

A

AND IN
ONE
A TIGER.

B

time, you know that if a lady is in Room C, then the sign on that door is true, but if a tiger is in Room C, then the sign on the door is false. You also know that if a lady is in Room D, then the sign on that

It is not known which is which. Given these two statements:

Karl: My sister is a vampire.
Martha: My brother is insane!

II. You come to two more doors. This Which one is the vampire?

by Raymond Smullyan

The Island of Questioners

The Island of Questioners derives its name from the fact that its inhabitants never make statements; they only ask questions answerable by "yes" or "no." Each inhabitant is one of two types—A or B. Those of type A ask only questions whose correct answer is "yes"; those of type B ask only questions whose correct answer is "no."

I once visited this island and met a couple named Ethan and Violet Russell. I heard Ethan ask someone, "Are Violet and I both of type B?" What type is Violet?

The Isle of Dreams

The inhabitants of this island dream so vividly that it is impossible for them to tell whether they are awake or asleep. Each inhabitant is one of two types—diurnal or nocturnal. Everything a diurnal inhabitant believes while he is awake is true, and everything he believes while asleep is false. A nocturnal inhabitant is the opposite: everything he believes while asleep is true and everything he believes while awake is false.

I. One inhabitant once believed that he was both asleep and diurnal. What was he really?

II. On this island there is a married couple named Kulp. At one point, Mr. Kulp believed that he and his wife were both nocturnal. At the same instant, Mrs. Kulp believed that they were not both nocturnal. As it happened, one was awake and the other asleep at the time. Which one was awake?

Metapuzzle: The Case of John

This case involved a trial of two identical twins. It was known that at least one of them never told the truth, but it was not known which. One of them was named John, and he had committed a crime. The purpose of the trial was to find out which one was John.

"Are you John?" the judge asked the first defendant.

"Yes, I am," was the reply.

"Are you John?" the judge asked the second defendant.

The second defendant answered "yes" or "no," and the judge then knew which one was John.

Was John the first or the second defendant?



Like love . . .
easy to learn, but
hard to master.

Intriguing and
mysterious.
Beautifully complex.
A classic game of skill.
Maybe that's why
men and women have
been playing Pente
for as long as
men and women have
been playing games.

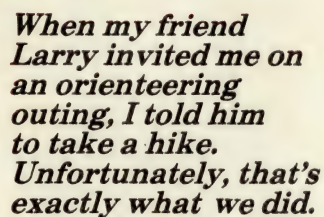
Available at fine
department stores.



PENTE®
THE CLASSIC GAME OF SKILL

BY ANNE ASHLEY

In this case, the goal is a



Meanwhile, the Westchesterites have been intermittently hitting the trail. Some have the aggressively self-reliant, clear-eyed look of backpackers and marathoners. They are the competitors, perhaps hoping for a fast enough time to qualify for a national meet. Other, more



mellow types, simply stroll out on what for them is a nature walk with a purpose. Unfortunately, Larry identifies with the former group.

When the timekeeper marks our card and gives the go-ahead, we burst out of the starting gate . . . and I'm promptly disoriented. The

get whacked by 300 yards of bramble bushes. When the control fails to show, I sit on the rubble foundation of an old house and lapse into cranky despair. Tall brown grass sighs in the breeze. I sigh in the breeze. Once again Larry saves the day: "According to the map, the control is close to a 'ruin.' Namely, the one you're sitting on." Sure enough, the control is a few feet away, nailed behind a sapling.

The third control is at the far end of Deer Lake (so named because it's shaped like a fish). A competitor named Alice

trouble is, I don't know what direction we're facing, but Larry reminds me about the compass. A few seconds later, the needle trembles to a halt and we boldly march toward the first control. Larry ignores my plea that we leave a trail of bread crumbs behind us.

Despite the clear 40-degree weather, I have dressed just a shade cautiously, wearing enough layers of clothes for an Antarctic expedition. More sensible, experienced competitors are wearing comfortable jogging outfits, and some intense-looking fellows are dressed only in shorts and sweatshirts.

After a short but sweaty run along a service road, I spot the control through bare-limbed trees. An unexpected thrill courses through my flabby, urbanized soul: The first time is always special. Attached to the control flag is a punch that leaves a distinctive pattern on the scorecard as proof you found it. I punch in with panache; nothing to this orienteering business. Cockily I grab the map and compass from Larry and set a course in a straight line for the second control, navigating by a single compass reading.

Bushwhacking ahead, we

gives the lake a wide berth in order to travel a longer but less treacherous route. My strategy, however, is to hug the lake shore to shave a few minutes off our time. As it turns out, I slip on wet rock and fall into cold mud just about the time Alice crosses the finish line.

This and the previous control serve as an object lesson: a good orienteer often chooses the path of least resistance as indicated by the map and the evidence of his own eyes.

The search for the remaining controls is a lengthy one, but the highlights are decidedly brief:

Control #4: On a dusty trail we spot animal tracks—and other animal mementos. Don't they have pooper-scooper laws out here?

Control #5: In an act of courage, I cross a vertiginous foot bridge (well, maybe it was only a yard above a trickling rivulet . . .).

Control #6: We stop to eat lunch. This I'm good at.

Control #7: Deciding which

of two forking paths "to take, I'm reminded of some lines from Robert Frost: 'I took the [road] less traveled by, / And that has made all the difference.'" It made a big difference to me too—about 20 extra minutes hiking in the wrong direction. **Control #8:** I ponder whether to tramp over or around a steep hill and finally settle on the latter course of action. Lewis and Clark would have been proud.

By now I'm a pretty confident hiker. The woods are not so unfriendly. In fact, I even begin to enjoy a certain tentative communing with nature, admiring the stands of pale birch, the mountains

give chase but lose them. And when we try to plot a course for the final control—and home—we discover with a jolt that we've drifted off the eastern border of the map and not one landmark is recognizable. We're lost! Although there isn't a taxi in sight, we somehow manage to keep our cool. OK, the map won't help but the compass will. Bearing due north we plunge ahead, first in a trot, then a panicky sprint until we bump into civilization—and the last control. We quickly punch in and stagger into the headquarters—dirty, tired, and dead last. A ten-year-old girl sipping hot chocolate sits with her mother. The kid finished the yellow course by herself in half our time. But who cares! We

made it back alive without a St. Bernard.

I'm proud to say that when it comes to developing a keen

sense of direction, I'm no longer a lost cause. I've since attacked other orienteering courses with greater success and have become rather fanatical about the sport. But Larry thinks I went a bit overboard recently when a tourist asked me directions to the Empire State Building, and I immediately whipped out my map and compass. . . .

looming on all sides, and the hypnotic, throbbing silence I had experienced only once before in my life—when trapped between floors in an elevator.

Rousing ourselves from this transcendental reverie, we spot a group of deer in distant woods and creep up for a closer look. They scatter; we

sense of direction, I'm no longer a lost cause. I've since attacked other orienteering courses with greater success and have become rather fanatical about the sport. But Larry thinks I went a bit overboard recently when a tourist asked me directions to the Empire State Building, and I immediately whipped out my map and compass. . . .

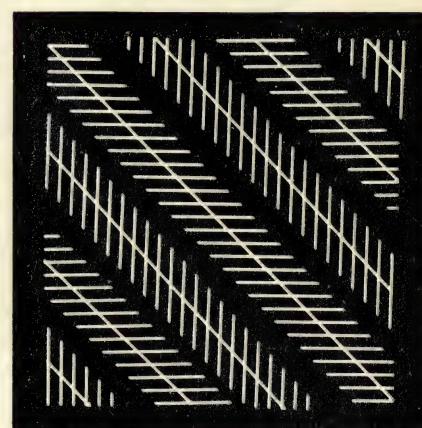
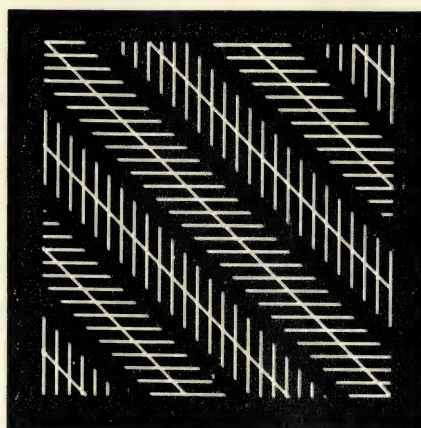
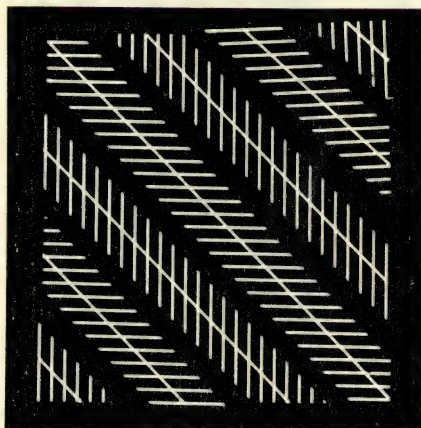
GET LOST!

Orienteering reached the U.S. in 1946, but it didn't catch on until 1970. There are now over 100 clubs under the jurisdiction of the United States Orienteering Federation, the sport's sanctioning body and clearinghouse for all related activities. Each club sets up courses, prepares maps, and organizes meets that are held on weekends from spring through fall. Most meets take place in large nature preserves and parks, but almost any outdoor environment is suitable.

For general orienteering information, write: U.S. Orienteering Federation, P.O. Box 1039, Ballwin, MO 63011.

To find a local orienteering club, or to set up your own program, write: Orienteering Services, USA, Box 1604, Binghamton, NY 13902, (607) 724-0411.

Orienteering Unlimited provides a consultation service and conducts orienteering workshops as well as selling orienteering equipment (Silva compasses, maps, meets supplies, clothing, etc.). Write: Orienteering Unlimited, P.O. Box 202, Mahopac, NY 10541, (914) 628-7106.

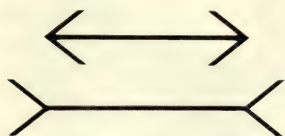


A

B

C

Many of us remember being fooled the first time we saw these figures and tried to determine which horizontal line was longer:

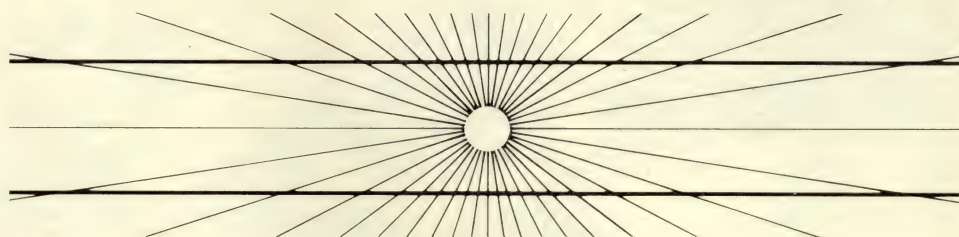


Even though a ruler proves they're exactly the same length, and even though we know it's the direction and angle of the arrows that confuse us, we still *see* the lines as unequal.

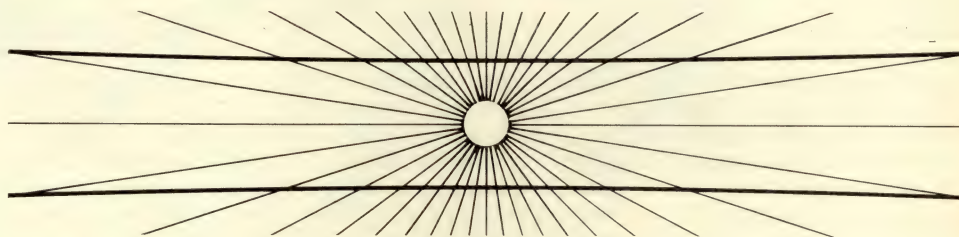
Geometric patterns that seem to deceive the eye date back to prehistoric art. Only in the last century, however, have psychologists and physicists begun to study them systematically. We still don't understand them fully, but we now know that these illusions fool not our *eyes*, but our *brain*, which misinterprets certain combinations of images.

Forewarned, can you see through the visual trickery on these pages? No fair using a ruler.

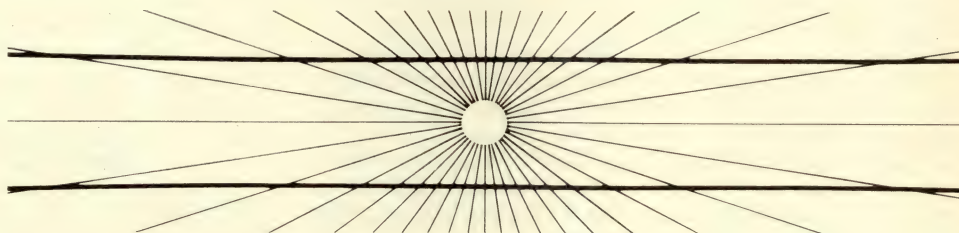
Answer Drawer, page 68



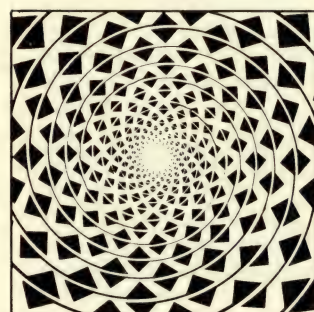
A



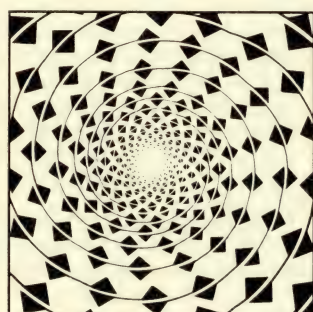
B



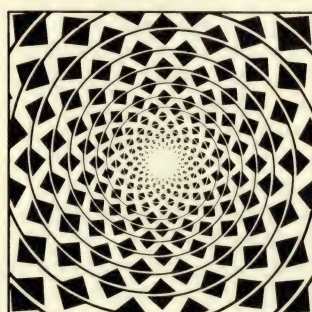
C



A



B

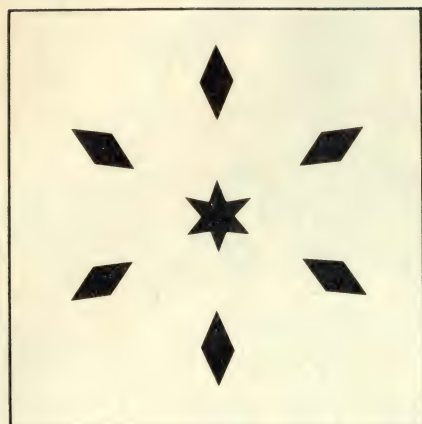


C

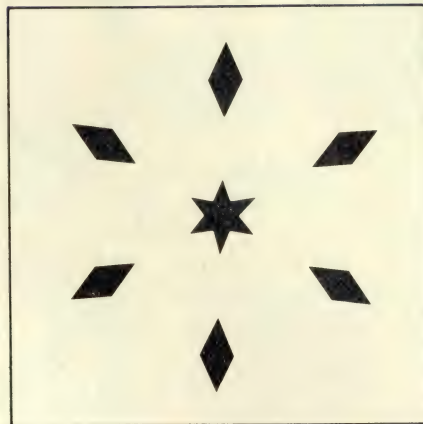
1. Top: The Zöllner Illusion. In which figure are all the long diagonal lines parallel?
2. Above: The Hering Illusion. In which figure are the two horizontal lines parallel?
3. Left: The Spiral Illusion. In which figure do the "spiraling" black and white rings actually form a set of circles (rather than form a continuous spiral)?



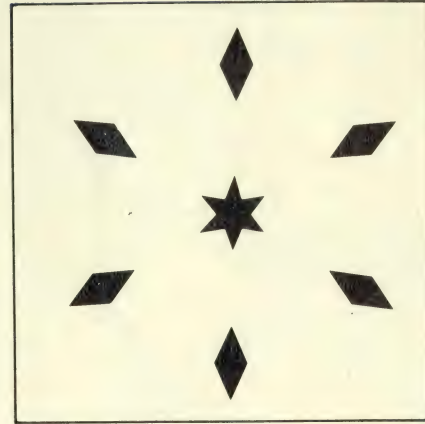
☆☆ by David Pope



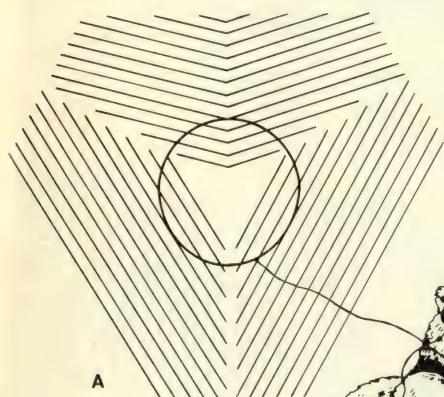
A



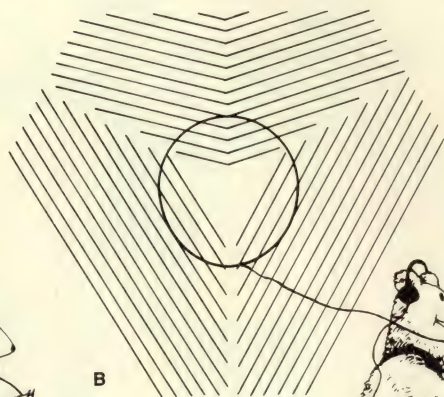
B



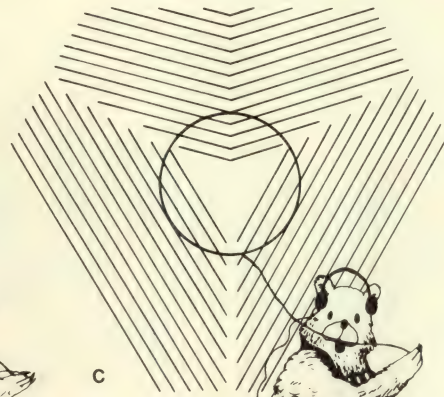
C



A



B



C



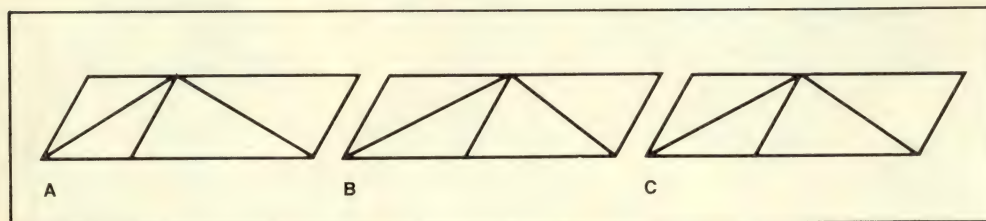
4. Top right: The Star/Diamond Illusion. In which figure are the length of the star, the length of a diamond, and the distance separating the star from the diamonds, all equal?

5. Second from top: The Oval Illusion. In which figure is the balloon perfectly round?

6. Left, second from bottom: The Diagonal Illusion. In which figure are the two diagonals equal in length?

7. Bottom: The Curvature Illusion. In which figure are all three arcs taken from complete circles of equal diameter?

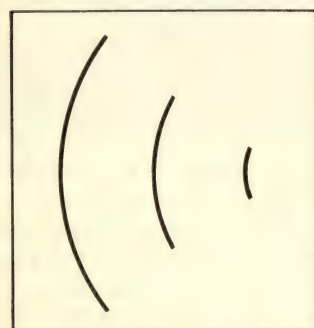
David Pope is a Contributing Editor to Games. Having worked as an editor with leading researchers in the field of perception, he would rather play with illusions than try to explain them.



A

B

C



A



B



C



THE VIEW OVER THE FAT FARM WALL ★☆

Illustration by Sandra Forrest

After a week at the Fat Farm, this three-ton trio was definitely reduced—to starvation. So, in between steam-baths and calisthenics, they looked over the wall, and were secretly



delighted to find food in the names of everything they saw. In fact, they spotted 64 different mouth-watering items. How many can you find without raiding the refrigerator? Answer Drawer, page 68

Regular, 1 mg. "tar", 0.2 mg. nicotine
av. per cigarette, FTC Report Dec. '81;
Menthol, 1 mg. "tar", 0.2 mg. nicotine
av. per cigarette by FTC method.

© 1982 B & W T Co.



The pleasure is back.
BARCLAY

Warning: The Surgeon General Has Determined
That Cigarette Smoking Is Dangerous to Your Health.

Breakfast Special ★

A Time-Sequence Puzzle by Hugues Colson

Hungry? Try the house special: scrambled photos, well done. Presented out of order, the pictures were taken at brief intervals at a diner. Can you rearrange them so the meal is in its correct time sequence? Hurry up and dig in, there's another customer waiting.

Answer Drawer, page 70





BY POPULAR DEMAND!

GAMES goes Monthly!

**MORE ISSUES...
MORE OFTEN!**
(With NO increase in price!)

Now you can
enjoy fun-filled
issues of Games
**EACH AND
EVERY MONTH!**

(EFFECTIVE SEPTEMBER '82 ISSUE)

GOOD NEWS FOR GAMES-LOVERS!

You told us you wanted more puzzles, more often ... and now you've got them! Because now GAMES Magazine will be coming your way — not just 6 times a year — but **12!**

That's right, now you'll be able to enjoy twice as many ornery crosswords ... twice as many tricky eyeball benders ... twice as many clever brain-teasers ... twice as many outstanding puzzles, games and features of all kinds ... you'll even get twice as many opportunities to enter and win our fabulous contests! ... all in the new, monthly GAMES!

HERE'S MORE GOOD NEWS:

Even though GAMES will bring you twice as much fun as before, you can still subscribe for the same low rate as before ...

... just \$1.25 per issue! That's \$14.97 for 12 monthly issues — an entire year of the most exciting, most challenging puzzles anywhere!

OUR BEST NEWS YET:

If you really want to save big, you can take

advantage of our super-low two year rate: 24 issues for just \$19.97 — only 83¢ an issue! (No one, but no one, will be able to buy GAMES Magazine for less than you!)

At these attractive rates, GAMES also makes a wonderful gift idea, too. Great for birthdays, Father's Day, graduation ... any occasion at all, that calls for a unique and "special" gift!

TO ORDER THE NEW MONTHLY GAMES FOR YOURSELF, OR AS A GIFT ...

just fill in and mail one of the special subscription cards in this issue. No postage stamp is necessary. And there's no need to send any money now. We'll bill you later, when it's more convenient for you.

Order your subscription with confidence, too. Because your satisfaction is guaranteed: If you're ever not completely satisfied with GAMES — for any reason — just tell us and we'll send you a full refund on all unmailed copies. You can't lose.

Don't miss out on the new, monthly, GAMES ...

ORDER YOUR GAMES SUBSCRIPTION TODAY!

Edited by Will Shortz

PENCILWISE



GAMES
GOES MONTHLY
EFFECTIVE SEPT. '82 ISSUE!

MORE ISSUES! MORE OFTEN!

☐ Send me 1 year (12 issues) of
GAMES for only **\$14.97**
(a 17% saving off the \$18.00 single copy price)

☐ Send me 2 years (24 issues) of
GAMES for only **\$19.97**
(a 45% saving off the \$36.00 single copy price)

NAME _____

☐ Payment enclosed

ADDRESS _____

☐ Bill me later

CITY _____

STATE _____

ZIP _____

Allow 4-8 weeks for
delivery of first issue.

HASA15

For Canadian and foreign
orders add \$2.00 per year.

To the Point★

by Peter May

Can you find your way from the top of this maze to the bottom by traveling from pencil to overlapping pencil, always heading *toward a point* (never an eraser)?

Answer Drawer, page 71

finish



BY POPULAR DEMAND!

GAMES goes Monthly!



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

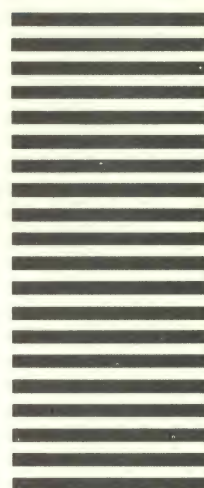
BUSINESS REPLY CARD

FIRST CLASS PERMIT NO. 6484 DES MOINES, IOWA

POSTAGE WILL BE PAID BY ADDRESSEE

GAMES

P.O. Box 10147
Des Moines, Iowa 50347



You told us you wanted
... and now you've
GAMES Magazine will
just 6 times a year — 1

That's right, now you'll be able to enjoy twice as many ornery crosswords ... twice as many tricky eyeball benders ... twice as many clever brain-teasers ... twice as many outstanding puzzles, games and features of all kinds ... you'll even get twice as many opportunities to enter and win our fabulous contests! ... all in the new, monthly GAMES!

HERE'S MORE GOOD NEWS:

Even though GAMES will bring you twice as much fun as before, you can still subscribe for the same low rate as before ...

... just \$1.25 per issue! That's \$14.97 for 12 monthly issues — an entire year of the most exciting, most challenging puzzles anywhere!

OUR BEST NEWS YET:

If you really want to save big, you can take

At these attractive rates, GAMES also makes a wonderful gift idea, too. Great for birthdays, Father's Day, graduation ... any occasion at all, that calls for a unique and "special" gift!

TO ORDER THE NEW MONTHLY GAMES FOR YOURSELF, OR AS A GIFT ...

just fill in and mail one of the special subscription cards in this issue. No postage stamp is necessary. And there's no need to send any money now. We'll bill you later, when it's more convenient for you.

Order your subscription with confidence, too. Because your satisfaction is guaranteed: If you're ever not completely satisfied with GAMES — for any reason — just tell us and we'll send you a full refund on all unmailed copies. You can't lose.

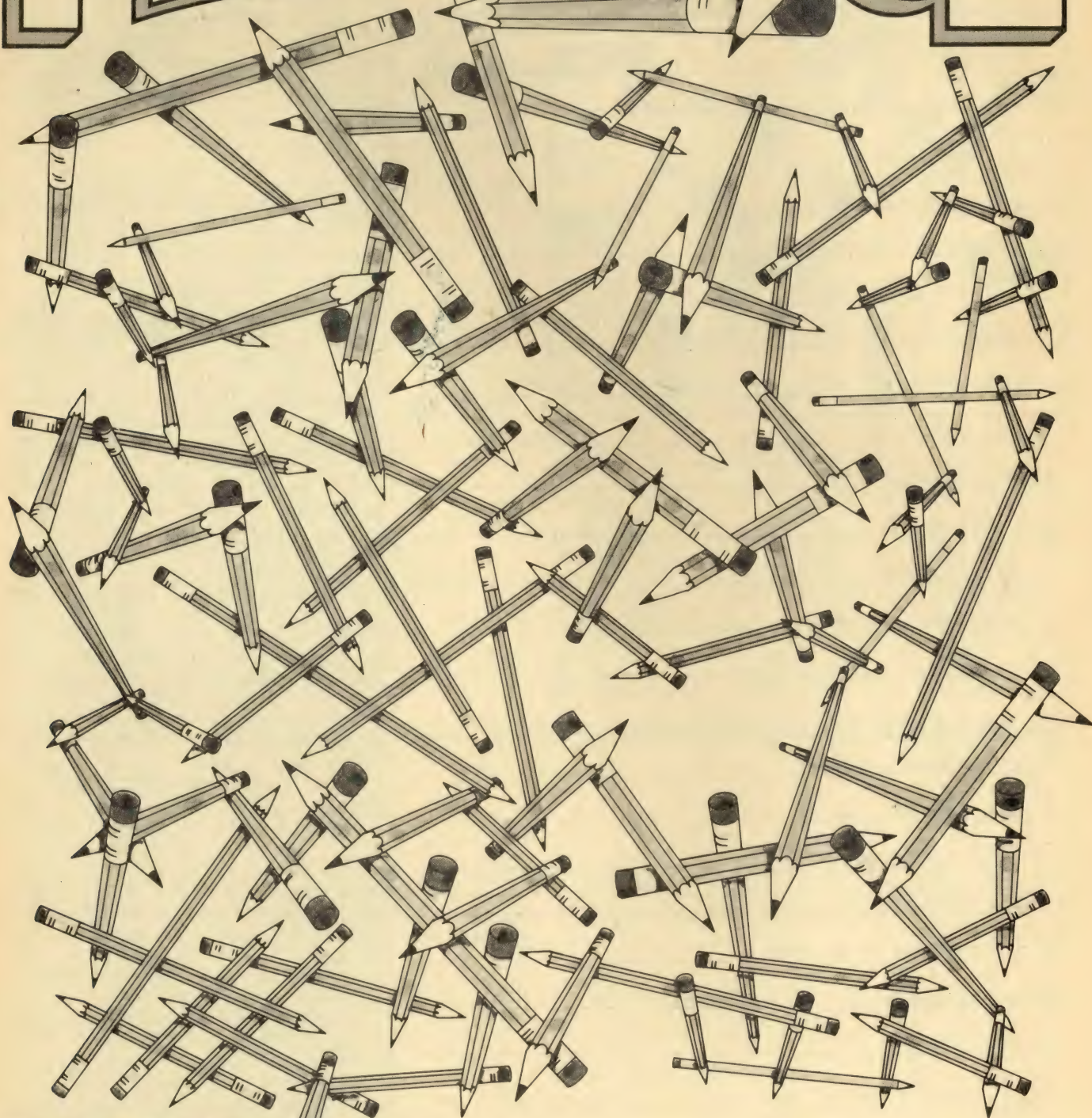
Don't miss out on the new, monthly, GAMES ...

ORDER YOUR GAMES SUBSCRIPTION TODAY!

Edited by Will Shortz

PENCILWISE

Illustration by Joe Lertola



To the Point★

by Peter May

Can you find your way from the top of this maze to the bottom by traveling from pencil to overlapping pencil, always heading *toward a point* (never an eraser)?

Answer Drawer, page 71

finish

New Equation Analysis Test ★★

by Will Shortz

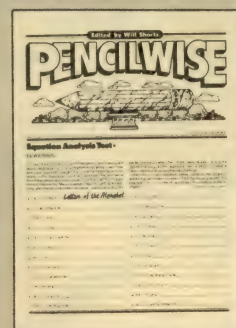
This test does not measure your intelligence, verbal agility, or talent for math. It will, however, give you some gauge of your alertness, creativity, and awareness of the world around you. It may also drive you to the brink of madness, as our first "Equation Analysis Test" last May/June apparently has done to much of the country (see report at right).

How to solve: Each equation contains the initials of words that are needed to complete it. Find the missing words. For example, $36 = I. \text{ in a } Y.$ would be $36 = \text{Inches in a Yard.}$

Answer Drawer, page 71

1. $36 = I. \text{ in a } Y.$ Inches in a Yard
2. $6 = W. \text{ of } H. \text{ the } E.$ _____
3. $212 = D. \text{ at which } W.B.$ _____
4. $3 = P. \text{ for a } F.G. \text{ in } F.$ _____
5. $20 = Y. \text{ that } R.V.W.S.$ _____
6. $101 = D.$ _____
7. $60 = S. \text{ in a } M.$ _____
8. $7 = H. \text{ of } R.$ _____
9. $56 = S. \text{ of the } D. \text{ of } I.$ _____
10. $5 = F. \text{ on the } H.$ _____
11. $40 = T. \text{ (with } A.B.)$ _____
12. $30 = D.H.S.A.J. \text{ and } N.$ _____
13. $1 = D. \text{ at a } T.$ _____
14. $10 = A. \text{ in the } B. \text{ of } R.$ _____
15. $435 = M. \text{ of the } H. \text{ of } R.$ _____
16. $16 = O. \text{ in a } P.$ _____
17. $31 = I.C.F. \text{ at } B.R.$ _____
18. $50 = C. \text{ in a } H.D.$ _____
19. $2 = T.D. \text{ (and a } P. \text{ in a } P.T.)$ _____
20. $4 = H. \text{ of the } A.$ _____
21. $13 = C. \text{ in a } S.$ _____
22. $8 = P. \text{ of } S. \text{ in the } E.L.$ _____
23. $20,000 = L.U. \text{ the } S.$ _____
24. $9 = I. \text{ in a } B.G.$ _____

The Craze



Exactly one year ago we published the "Equation Analysis Test" (above) in *Games* and unwittingly touched off what has become a national craze.

From the start the test drew a favorable response from readers, many of you writing to ask us to repeat the feature. Then last fall an unprecedented phenomenon developed. Readers began sending us our very own puzzle in the mail—the same 24 equations we presented in *Games*—at least one or two such sets arriving each week. A typical letter: "Recently the following test was going around the office. I received such a kick from solving it, I thought others might enjoy it, too. Hope you are able to publish it!" Indeed. A few artful readers even submitted the puzzle as original work.

The growing fad was fueled by publication of the test in newspapers and magazines across the country—almost always, it might be added, without credit. In Bellevue, Washington, a newspaper columnist wrote, "I don't know where this puzzle came from. It's one of those little gems that get photocopied and passed around." In Columbus, Ohio, a feature writer began, "This brainteaser came to me from a small saloon in Lakewood. The person who gave it to me said she was one of a party of six who puzzled over it for three hours before getting the answers." We've also heard our puzzle on the radio, seen it in an ad agency's promotion, and found it presented as a newspaper contest. We've even been told that a man was distributing the questions at a Maryland shopping center and selling the answers for a dollar.

Certainly "Equation Analysis Test" is here to stay. Succumbing to the wave that we ourselves began, we're presenting (at left) a whole new set of 24 equations to test your wits. Meanwhile, if that original set of equations turns up in your office, local newspaper, or saloon, just remember: you saw it here first.

—Eds.

Body English ★

by Margaret Rigby



Ruth von Phul won the 1924 and 1926 New York Herald-Tribune crossword tournaments—two of the first crossword competitions ever held—and was proclaimed "Cross Word Puzzle Champion of the World." Unable to defend her title in the newspaper's 1928 and 1935 contests because she had moved west, she rightly boasts that she is "retired and undefeated."

Now in her late 70s and still a crack solver, Ruth completed this crossword in 10 minutes 8 seconds. She hopes to be in New York to observe the finals of the U.S. Crossword Open in August. For details see March/April Games, page 44.

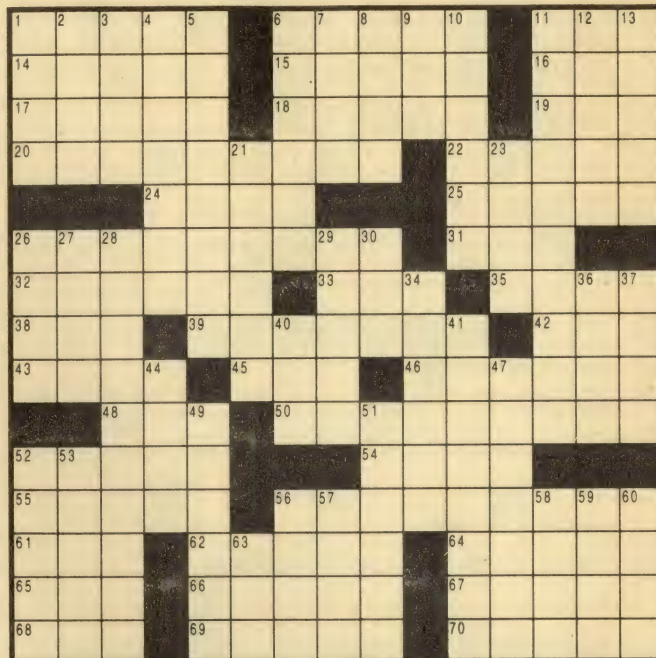
ACROSS

- 1 Union general George
- 6 Accumulate
- 11 Sack
- 14 Made from grain
- 15 Still in bed: 2 wds.
- 16 Devoured
- 17 Have faith in
- 18 Dwarf
- 19 Soup container
- 20 Ample space for working
- 22 Foot/leg joint
- 24 Cake layer
- 25 Throws a tantrum
- 26 _____ tactics
- 31 Mineral springs
- 32 Queasy feeling
- 33 Kind of mark or muff
- 35 Electrical units, for short
- 38 Sphere
- 39 What Cinderella lost
- 42 Cow's call
- 43 Ali _____
- 45 Building wing
- 46 Two Gentlemen of _____
- 48 Leafy tree
- 50 Startling revelation
- 52 Damascus is its capital
- 54 ".... and pulled out a _____"
- 55 Sharpened
- 56 _____ and fancy-free
- 61 Lemon or orange drink
- 62 Memento
- 64 Coffee sweetener

- 65 Month after Nov.
- 66 "When _____ eyes are smiling..."
- 67 China's Chou _____
- 68 Canadian deer
- 69 Goes out with
- 70 From stem to _____

DOWN

- 1 Speck of dust
- 2 Actor James _____ Jones
- 3 "... three men in _____": 2 wds.
- 4 Old autos
- 5 Twists, as ivy
- 6 Goat wool
- 7 One: Prefix
- 8 Part of a molecule
- 9 Total
- 10 Asparagus stalks
- 11 Popular board game



Answer Drawer, page 70

- 12 _____ of Two Cities: 2 wds.
- 13 Actors Hackman and Kelly
- 21 Have a feast
- 23 California wine valley
- 26 Snooty one
- 27 Gone With the Wind plantation
- 28 Gawk
- 29 Answer
- 30 Atlas feature
- 34 Mutiny
- 36 Corn bread
- 37 Glide like an eagle
- 40 _____ de France (Paris islet)
- 41 Drives away
- 44 "I cannot tell _____": 2 wds.
- 47 Get back in the saddle
- 49 Spain's capital
- 51 Periods of time
- 52 Color lightly
- 53 Sing Alpine-style
- 56 Move like a butterfly
- 57 River of northern France
- 58 Make eyes at
- 59 German mining region
- 60 Ireland, poetically
- 63 Pitcher's stat: Abbr.

Clip Joints ★

by Lola Schancer

Each phrase below represents two familiar sayings or expressions, the first of which ends with the same word that begins the second. We've clipped that joint word and merged the rest to form a bit of nonsense. For example, the phrase "bark up

the wrong surgeon" is a result of joining "bark up the wrong tree" and "tree surgeon." See if you can supply the missing connecting words in these expressions.

Answer Drawer, page 70

- 1. Give up the story _____
- 2. Long arm of the abiding citizen _____
- 3. Right as cats and dogs _____
- 4. Pop in the ointment _____
- 5. Now or the twain shall meet _____
- 6. Be my speaker _____
- 7. Ride a high laugh _____
- 8. Land of knocks _____
- 9. Lip with a smile _____
- 10. Aim to be seated _____
- 11. No money in front _____
- 12. One for the hog _____

Time Line ★★

by Edith Rudy

In the clock below, 26 important dates in world history are concealed in horizontal, vertical, and diagonal directions, each in a straight line. Rather than list the dates, though (that would

make things too easy!), we've listed the events they refer to in *chronological order*. It's up to you to find the matching dates in the clock. We've circled one to get you started.

List of dates, page 68 Answer Drawer, page 70

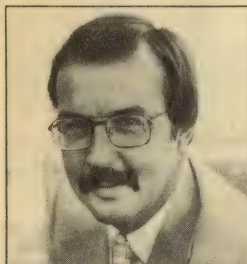
Ex. Christ crucified APRIL 7, 30

- | | |
|--|---|
| A. Battle of Hastings _____ | N. Gold discovered at Sutter's Mill _____ |
| B. Columbus lands in New World _____ | O. First battle of Bull Run _____ |
| C. Magellan's crew circumnavigates globe _____ | P. Lincoln delivers Gettysburg Address _____ |
| D. William Shakespeare born _____ | Q. <i>U.S.S. Maine</i> sunk in Havana _____ |
| E. Spanish Armada attacks England _____ | R. U-boat sinks <i>Lusitania</i> _____ |
| F. Jamestown established _____ | S. Women's Suffrage passed _____ |
| G. <i>Mayflower</i> lands at Plymouth Rock _____ | T. Lindbergh lands in Paris _____ |
| H. Franklin discovers electricity _____ | U. Stock market crashes _____ |
| I. Boston Massacre _____ | V. Japanese attack Pearl Harbor _____ |
| J. Paul Revere's ride _____ | W. D-Day invasion _____ |
| K. Declaration of Independence adopted _____ | X. Russians launch <i>Sputnik</i> _____ |
| L. Paris mobs storm Bastille _____ | Y. Man walks on the moon _____ |
| M. Battle of New Orleans begins _____ | Z. Space shuttle <i>Columbia</i> launched _____ |



Mathematrixs ★★

by Alfio Micci



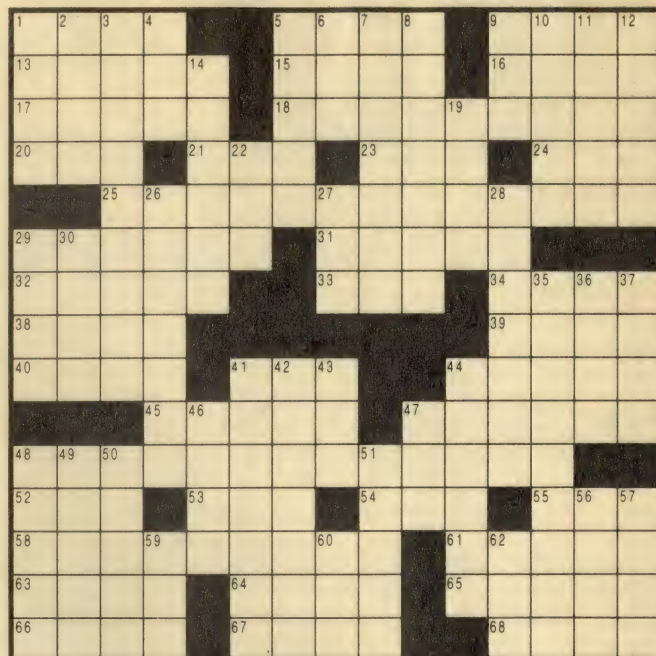
John Chervokas, an advertising executive from Briarcliff Manor, New York, won the Ridgewood (N.J.) Newspapers Crossword Puzzle Tournaments in 1979 and 1980. When he test-solved this puzzle for Games, he clocked himself at an astonishing 4 minutes 9 seconds. A good solving time in regular competition would be 7-10 minutes.

ACROSS

- 1 New Testament book
- 5 Warsaw Pact member
- 9 Pound, for one
- 13 Black tea
- 15 "Lonesome" tree
- 16 ____ mater
- 17 In position, as a sail
- 18 Small, pointed chisel
- 20 Quilting party
- 21 The O in IOU
- 23 Partner of to
- 24 Neckline shape
- 25 120
- 29 Author of *Brave New World*
- 31 Israeli seaport
- 32 Play ____ in (participate): 2 wds.
- 33 First State: Abbr.
- 34 Noted Italian family
- 38 Kirkland or Bryant
- 39 Jong's ____ of *Flying*
- 40 Designer Cassini
- 41 Dos Passos trilogy
- 44 Taste
- 45 Black-ink item
- 47 Niche
- 48 132
- 52 Novelist Levin or Wolfert
- 53 Height: Abbr.
- 54 "____ had it!"
- 55 Noon, to Caesar
- 58 Holds the upper hand
- 61 "Of course!"
- 63 Like ____ of bricks: 2 wds.
- 64 Telegram word
- 65 Underground duct system
- 66 Gave temporarily
- 67 Concordes
- 68 Zip or area

DOWN

- 1 Basic rhyme scheme
- 2 Where sheep sleep
- 3 3
- 4 Six, in Salerno
- 5 Surprise win
- 6 Use a straw
- 7 Cold symptom
- 8 Second prosecution
- 9 Nixon or O'Brien
- 10 Cocktail garnish
- 11 Toastmaster
- 12 Occupied
- 14 Highest point in an orbit
- 19 Word with soap or pedal
- 22 For what reason?
- 26 Criminal
- 27 Crossed (out)



Answer Drawer, page 70

- 28 "____ that launched a thousand ships": 2 wds.
- 29 Seraphic head adornment
- 30 River to the Caspian
- 35 14
- 36 New Mexico art colony
- 37 Flubs
- 41 Futile
- 42 Six-man bands
- 43 Munched
- 44 "Naturals" in the casino
- 46 People of Russia
- 47 Church VIP, for short
- 48 Kind of wave
- 49 Penned
- 50 Ireland's DeValera
- 51 Hath a thpeech problem
- 56 Chilled thoroughly
- 57 German possessive
- 59 Passbook bonus: Abbr.
- 60 Balderdash
- 62 Govt. energy agcy.

Boxcars ★★

by Meredy Amyx

The 30 three-letter words below can be paired to form 15 "boxcars"—six-letter words, each unrelated in meaning to either of its halves. Cross off the three-letter words from the list

as you pair them, because each will be used exactly once in your solution, and enter the six-letter words in the blanks at the right. An example is filled in to get you started.

Answer Drawer, page 71

RAY CUR ACT BOW ONE ~~ASP~~
 BED ~~IRE~~ DID OFF FEW KEN
 ICE RED SEX LED NOT GOB
 SUN BET HER CAN BAR IMP
 TON LET FOR ION WIT MAT

1. ASPIRE 6. _____ 11. _____
 2. _____ 7. _____ 12. _____
 3. _____ 8. _____ 13. _____
 4. _____ 9. _____ 14. _____
 5. _____ 10. _____ 15. _____

Where Is Grandpa Gilroy's Money? ★★

An Orienteering Puzzle

by Will Shortz

The reading of Grandpa Gilroy's will was a shock for the whole family. There had been whispers that Grandpa was a little doty—apparently his last years had been devoted to reading mysteries in his mansion while his fat bank account grew fatter—but no one dreamed he would turn his will into a puzzle.

The will stated that, shortly before his death, Grandpa Gilroy had withdrawn his money from the bank and buried it in a box somewhere on his estate (see map at right). His will gave seemingly explicit instructions for recovering the treasure: Beginning at the boulder marked X, it said, walk the number of paces specified in the accompanying key (below), and "the resulting path will lead you to the treasure."

The heirs walked the path as instructed and dug a hole at the end, but—you guessed it—no treasure. They went over the instructions again and this time dug even deeper, but still to no avail.

Where, then, did Grandpa Gilroy stash his cash? Can you identify the spot on the map where the heirs should look? Each pace in the key below is equal to one square on the map.

Answer Drawer, page 72

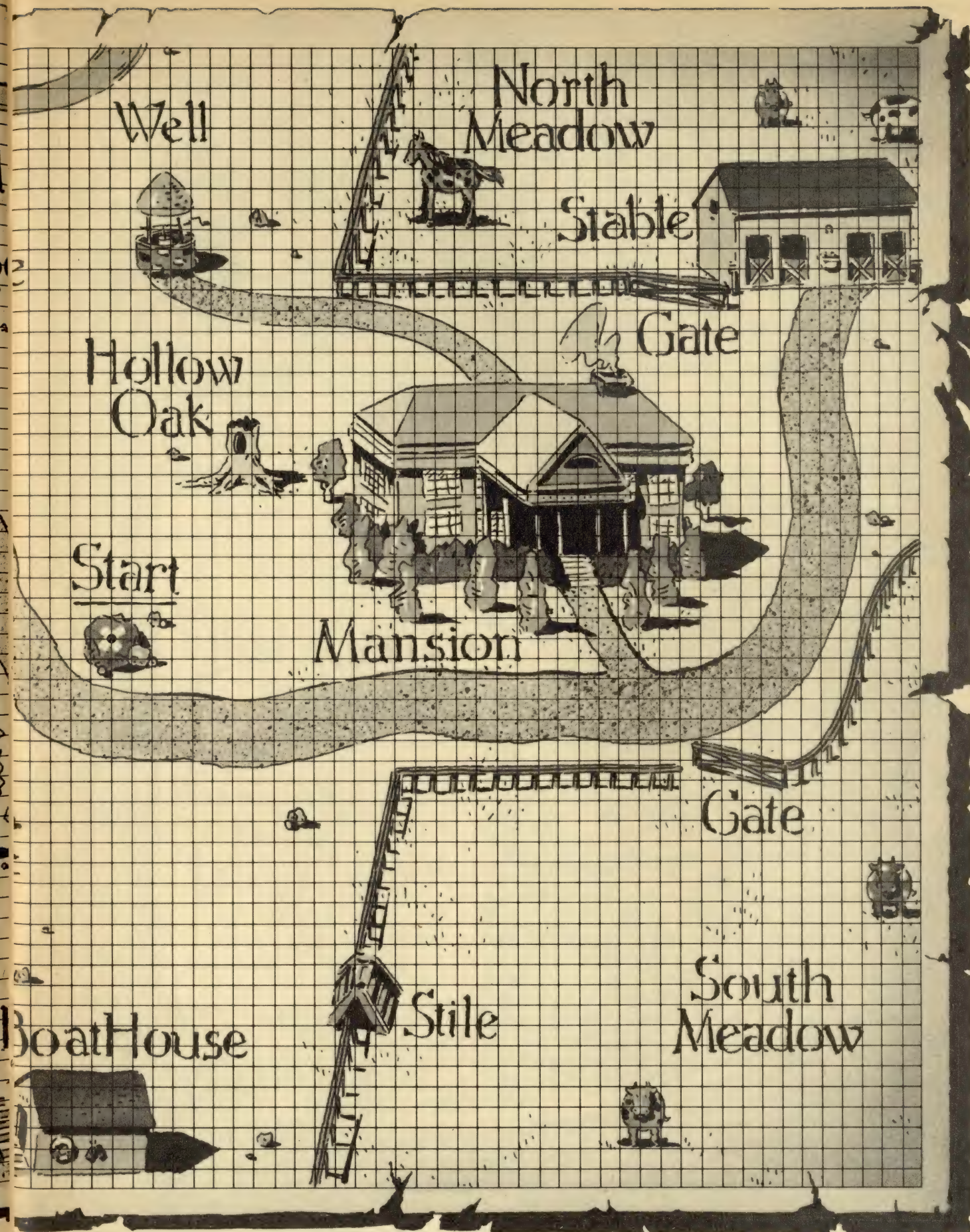
KEY

One pace = one square.

Begin at "X" on the boulder. Proceed:

South 12	South 4
West 4	East 2
Southeast 1	Northwest 2
Southwest 1	Northeast 2
North 34	Northwest 2
Southwest 20	Northeast 2
Southeast 20	North 10
North 6	West 14
East 15	Southeast 1
North 2	Southwest 1
West 11	East 15
South 6	North 2
East 1	West 1
North 35	North 2
East 5	East 21
North 7	South 32
West 1	West 21
South 6	North 20
West 5	West 2
South 18	South 4
East 8	





Border Patrol ★★

by Ronald E. Neuman

If the lines below look like random squiggles to you, maybe it's time to dust off your atlas. Each group of lines is an "aerial view" showing segments of the borders between states of the

union. We've identified the three states in the first group to get you started. Can you identify all the others?

Answer Drawer, page 72

<p>Example</p> <p>OHIO PENNSYLVANIA WEST VIRGINIA</p>	<p>1.</p>	<p>2.</p>
<p>3.</p>	<p>4.</p>	<p>5.</p>
<p>6.</p>	<p>7.</p>	<p>10.</p>
<p>8.</p>	<p>9.</p>	

Taste the V.O. Spritzer.

Taste the crisp, clean taste of the V.O. Spritzer. All it takes is ice, 1 1/2 oz. of V.O., and Schweppes Club Soda. You'll discover what might be the most refreshing drink you've ever tasted.

And remember, use good judgment whenever you drink. You'll always enjoy it more.



CANADIAN WHISKY. A BLEND OF CANADA'S FINEST WHISKIES. 6 YEARS OLD. 86.8 PROOF. SEAGRAM DISTILLERS CO., N.Y.C.

**“EITHER THIS
SPACE GAME
OR MY LIVIN’
GOING 10**



IS THEIR BEST TIME EVER, NG ROOM IS 65 MPH."

Aliens up ahead. Aliens attacking from the rear. Alien ships on every side. Meanwhile, the earth is moving steadily into range of enemy missiles, as the alien planet rushes by below.

Presenting Star Strike™. The exciting new space game complete with brilliant colors, gripping tension, and special effects so realistic they appear three-dimensional. So you almost feel like you're flying.

Be careful, though, and don't lose your concentration. You've got to destroy the enemy planet. Before it destroys the earth.

Play Intellivision® Star Strike. Then, when the battle's over and the dust is clear, compare it to other space games. We think you'll agree that color, excitement and special effects make Star Strike the clear winner.

MATTEL ELECTRONICS®

IntelliVision®
Intelligent Television

There's only one way to play it...

Wherever the music is
hot, the taste is Kool.
At any 'tar' level, there's
only one sensation this
refreshing.



Original



Low 'tar'



2 mg.



Warning: The Surgeon General Has Determined
That Cigarette Smoking Is Dangerous to Your Health.

Ultra Kings, 2 mg. "tar", 0.3 mg. nicotine; Lights Kings, 9 mg.
"tar", 0.8 mg. nicotine av. per cigarette by FTC method; Filter Kings,
16 mg. "tar", 1.1 mg. nicotine av. per cigarette, FTC Report Dec. '81.

Going Places ★★★

by Stephanie Spadaccini

Answer Drawer, page 72

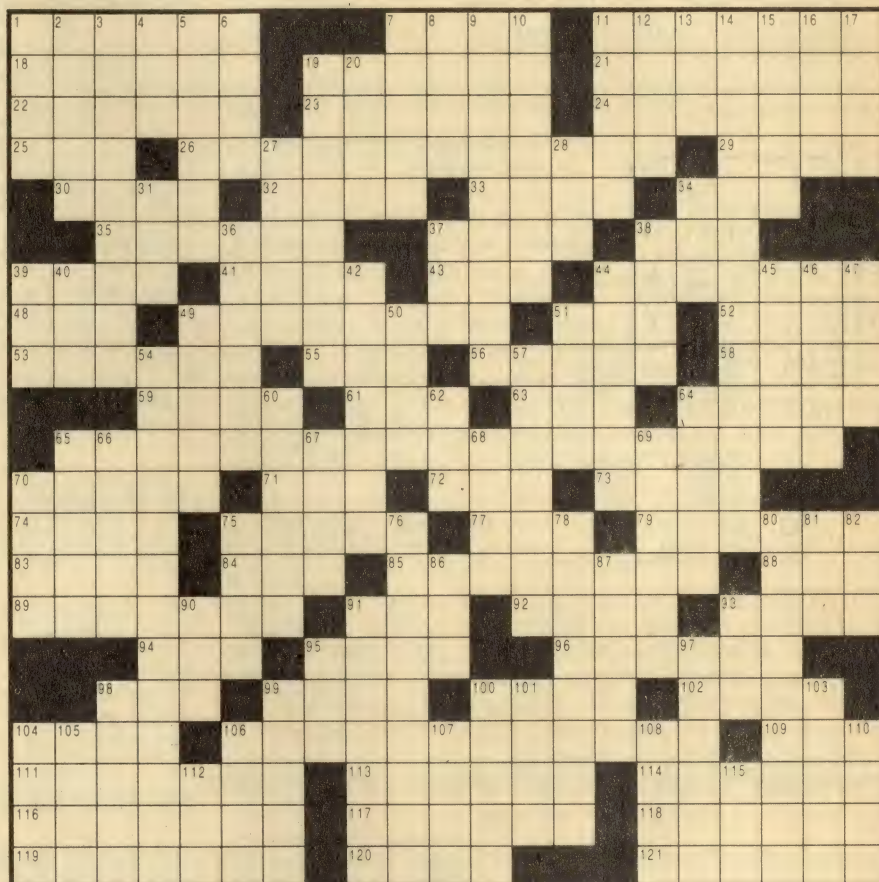


Miriam Raphael won the 1979 Annual American Crossword Puzzle Tournament and the 1981 Grossinger's Crossword Weekend Tournament—two of the three crossword contests now

held annually in the Northeast. Last fall she won a "puzzle-off" held live on "The Today Show." When Miriam isn't racing herself on puzzles, she teaches English as a second language to foreign-born children. She test-solved this crossword for Games in a speedy 19 minutes 6 seconds.

ACROSS

- 1 "Coat of many colors" wearer
- 7 Hemingway, familiarly
- 11 Ben Hur's buggy?
- 18 Disloyal
- 19 Palate pendulums
- 21 Pry open a second time
- 22 Attack with gunfire
- 23 _____ Raiders
- 24 Bald babies?
- 25 Little piggie
- 26 Visitor from faraway places?
- 29 Cambodia's neighbor
- 30 Singer Seeger
- 32 _____deucey
- 33 Filth
- 34 G-man
- 35 With asperity
- 37 Throat-clearing warning
- 38 Unsettle
- 39 Cantina snack
- 41 Playrooms
- 43 Meadow mouthful
- 44 Bravo's opposite
- 48 Coach Parseghian
- 49 Boyer/Bergman film of 1943
- 51 Touch gently
- 52 Sancho's stewpot
- 53 Filmdom's "Twelve Angry Men"
- 55 Attention
- 56 Pitchers with big mouths
- 58 King of comedy
- 59 Bowl sounds
- 61 Bananas
- 63 One-kind link
- 64 "With _____ in My Heart"
- 65 Couple carrier?
- 70 Noisy lark
- 71 Dawn goddess
- 72 Cancelled
- 73 Companion of the emu and the roc
- 74 Press
- 75 Alive setting
- 77 Rocks, at bars
- 79 Alveolus
- 83 Hipster's "suit"
- 84 Join the struggle
- 85 Teaching nun
- 88 Greek X
- 89 Indigenous
- 91 Blazers, Bucks, Bulls, et al.: Abbr.
- 92 Arctic Sea sight
- 93 Roe contents
- 94 Crossed out
- 95 Printshop worker, for short
- 96 Magician's word
- 98 Family docs
- 99 Info
- 100 1975 Wimbledon winner
- 102 Slaughter, of baseball
- 104 Reptilian prefix
- 106 Early moving van?
- 109 Gorcey, of the "Dead End Kids"
- 111 Beauty expert
- 113 Tyson's Emmy-winning role
- 114 Cop's adversary
- 116 Obliteration
- 117 Rub with oil



- 118 Styx and Stones
- 119 Sgt. Preston's cruiser?
- 120 Bucky, of baseball
- 121 Affirms
- 15 "_____ the news today, oh boy..."
- 16 Tetra times two
- 17 Trueheart of the comics
- 19 Transport for a well-balanced loner?
- 20 Barn topper
- 27 Elihu and Linus
- 28 Magna _____ laude
- 31 Truth, to Confucius
- 34 Kind of cat or head
- 36 Like a dime novel
- 37 Oh, in Augsburg
- 38 Boxing ploys
- 39 _____ Mahal
- 40 Indonesian isles
- 42 Blue point
- 44 Cabernet container
- 45 Permit
- 46 South American plain
- 47 M director
- 49 Thanksgiving
- 50 Snatch
- 51 Agile
- 54 Chinese choo-choo?
- 57 "Brother" to Romulus and Remus
- 60 Picturesque
- 62 Batman and Robin, e.g.
- 64 Herschel's TV role
- 65 Kitchen wear
- 66 Sulk
- 67 Ore deposit
- 68 "_____ the only peacemaker" (Shakespeare)
- 69 Source for C
- 70 Shoe store query
- 75 Gung-ho
- 76 The Titanic, after the fact?
- 78 Ride for a rajah
- 80 Tot's pick-me-up?
- 81 Inventor's cry
- 82 El follower
- 86 Knock
- 87' Abbr. on a sale ticket
- 90 _____ amis
- 91 Analyst's prop
- 93 R.R. depot
- 95 Cleveland player, for short
- 97 Juarez woman
- 98 The _____ Archipelago
- 99 Gave medicine
- 100 Let on
- 101 The ugly duckling, for one
- 103 Travels à la "The Blob"
- 104 Storage spot
- 105 Prefix for space
- 106 Meticulousness
- 107 Kind of collar
- 108 O.P.E.C. and O.A.S.
- 110 Approximately
- 112 _____ agard (no award)
- 115 Jane's son

DOWN

- 1 Fair
- 2 In first place
- 3 Vehicle for Brando?
- 4 Victorian, e.g.
- 5 Smoker
- 6 Cad
- 7 Corpulent
- 8 Groggery servings
- 9 Diving gear?
- 10 Calm
- 11 Apollo _____ (Rocky's opponent)
- 12 Act as judge
- 13 Pak. neighbor
- 14 Short trip for thrill-seekers?

The ADFGX Cipher ★★

by Norma Gleason

The ADFGX cipher was invented by German cryptographers during World War I and baffled Allied cipher experts for months. The most maddening aspect of it, in a way, was that it used only five letters—A, D, F, G, and X.

In its original form, the ADFGX involved a tricky three-stage encipherment that made it nearly impossible to break. The puzzles on this page illustrate only the first—and simplest—of the stages: the alphabet square.

	A	D	F	G	X
A	A	F	L	Q	V
D	B	G	M	R	W
F	C	H	N	S	X
G	D	I	O	T	Y
X	E	K	P	U	Z

zles on this page illustrate only the first—and simplest—of the stages: the alphabet square. In the example at left, the letters A through Z appear in vertical formation starting at the upper left and continuing in succeeding columns (the letter J is treated as an I). Each plaintext letter may be enciphered by combining its two coordinates at the left

and top of the square (the letters ADFGX), taking the left coordinate first. Thus, the letter A would be enciphered AA, the letter W would be enciphered DX, and the message SEND HELP would appear:

FG	XA	FF	GA	FD	XA	AF	XF
S	E	N	D	H	E	L	P

The alphabet may be written into an ADFGX square in any visual arrangement—vertically as shown, horizontally, diagonally, spirally, or in some other pattern. In fact, each puzzle on this page uses a different scheme. The alphabet pattern is an important aid to solving, for as deciphered letters are filled in, they help identify the pattern, which in turn makes it possible to identify other letters in the message.

Punctuation has been omitted in the ciphers below for extra puzzlement. Clues appear on page 68.

Answer Drawer, page 72

1. ASSIGNATION

	A	D	F	G	X
A					
D					
F					
G					
X					

FD AX AX GG AA DD AX FF GG GF DG XF
 DA FG GX GD AA GG
 AD FG FG DX GF DF FG FX FF AX AA GD
 AG GD FG FX AD FG XF FD FG FF AG AA XG
 AA GG GG AX FF FX FD

Portions of this page are excerpted from Norma Gleason's new book *Cryptograms and Spygrams* (Dover Publications, \$3.50), which features 14 varieties of cipher puzzles with detailed explanations.

2. THEY'RE ONTO US

	A	D	F	G	X
A					
D					
F					
G					
X					

FX XX FF FX AX XF
 XG AD GD DD FG AX GD X
 GF AX AX DD DG FF GG FD GA DG DD FG
 DG FF XG DF GD GF XX FF DD FG AX DG FD
 GX AX DG FF GG GA XX DD FX FG AX DX

3. FLYBOYS

	A	D	F	G	X
A					
D					
F					
G					
X					

FX FA XA FF DD FG
 FX XX FF XX DD DG XA DD XX XX FF XX FD AG
 FA GD FF XX DF XD AG
 FX XA DG XA XF GF DA DD XX DF DD XA FF XG
 XD AG GX FG DG DG XA XG GD FG
 DF GD GG FF XA FA

4. BETRAYAL?

	A	D	F	G	X
A					
D					
F					
G					
X					

GD GA XF DG XG XX FF DD GD GF FF FA FF
 GD XA XA XG XX GD XG DA GA
 GA DA GA XF GD GG FA AF DG GA
 GF XG DA FG FX GD FF DD GD XX FA

Cryptic Crossword ★★★

by Emily Cox and Henry Rathvon

The Warm-Up Puzzle at right features some of the major types of cryptic clues explained in past issues of *Games*. One part of each clue is a definition of the required answer, and another part is a hint about the answer's literal makeup. This two-part construction—definition plus extra hint—is the hallmark of a cryptic clue.

Clue 1-Across, however, presents an exception. "Move aloft" in its entirety can be taken simply as the definition for the answer *FLOAT*. Or it can be seen as an instruction to rearrange ("move") the letters of "aloft"—again producing the word *FLOAT*. So the clue leads a sort of double life, offering both a definition and an instructive hint that perfectly coincide.

Derrick Macnutt ("Ximenes"), an Englishman who pioneered this kind of clue, labeled it "& lit.," meaning "and this is literally so!" Other people have called it a "read-it-again" clue, since you can read it once for the definition and again for the hint. Here are two more examples:

"Part of arctic environment! (3)." The answer, *ICE*, is of course an arctic feature, and it is also a part of the written phrase "arctic environment."

"Terribly angered! (7)." The answer, *ENRAGED*, not only means "terribly angered" but is also an anagram of "angered" (presented "terribly").

Note: An exclamation point or question mark traditionally accompanies the "& lit." clue as a warning to solvers to be on their toes. More "& lit." clues appear in the puzzle below at 1-Across, 13-Across, 2-Down, 7-Down, and 21-Down.

ACROSS

- 1 I do it stupidly! (5)
- 4 Spy is in shape—he's a hard worker (9)
- 9 Guy trains in churches (7)
- 10 Wild hogs bit VIP (3, 4)
- 11 Financial manager makes unsteady rate steadier (9)
- 12 Article I rented initially owned by them (5)
- 13 Working on mental topic? (13)
- 16 Cartoonists distorted a circus artist (13)
- 20 Hobo quietly gets on back of streetcar (5)
- 21 Prostitute's returning a precious stone for a trick (9)
- 23 Novel writer has left majorette (7)
- 24 Study German currency in a Scandinavian country (7)
- 25 Law officer has convict under control (9)
- 26 Deliver food in shabby crate (5)

DOWN

- 1 Egg is visible at hearing (6)
- 2 I, for one, am reflected! (5)
- 3 Thief's first motive for crime (7)
- 4 Agitated, unresting rebel (9)
- 5 To live in a tree builds stamina (5)
- 6 Rioting at great boat race (7)
- 7 Lively, lithe acts? (9)
- 8 Teaching young Pharaoh "zero"—0 (8)
- 13 Pink auto on land (9)
- 14 Leave hill with bird (9)
- 15 Very happy sect converted a jerk (8)
- 17 Company scheme involves one airline employee (7)
- 18 Very nasty wound in a cast (7)
- 19 Someone sending out puffs enciphered Morse "K" (6)
- 21 Sort of brush? (5)
- 22 Admit Union general (5)

Warm-Up Puzzle ★★ for New Solvers

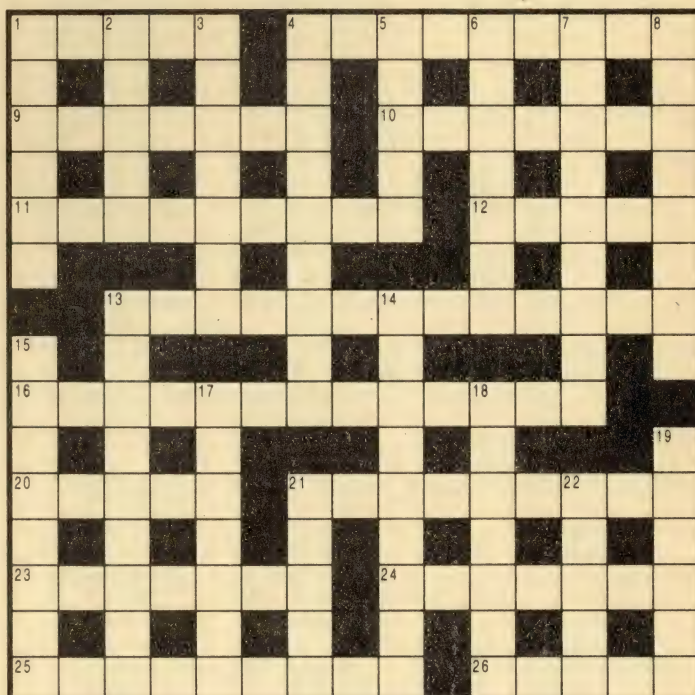
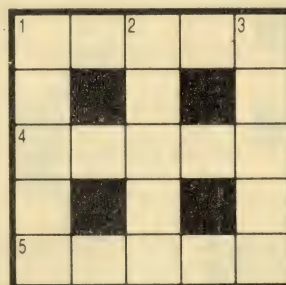
With detailed explanations in
Answer Drawer, page 71

ACROSS

- 1 Move aloft! (5)
anagram & lit.
- 4 Hearing I'll get passage (5) *homophone*
- 5 Monarchs in hiking shoes (5) *hidden word*

DOWN

- 1 Open hot dog (5)
two meanings
- 2 Actor Welles or male progeny (5)
charade
- 3 Accent all but the top lock of hair (5)
beheadment



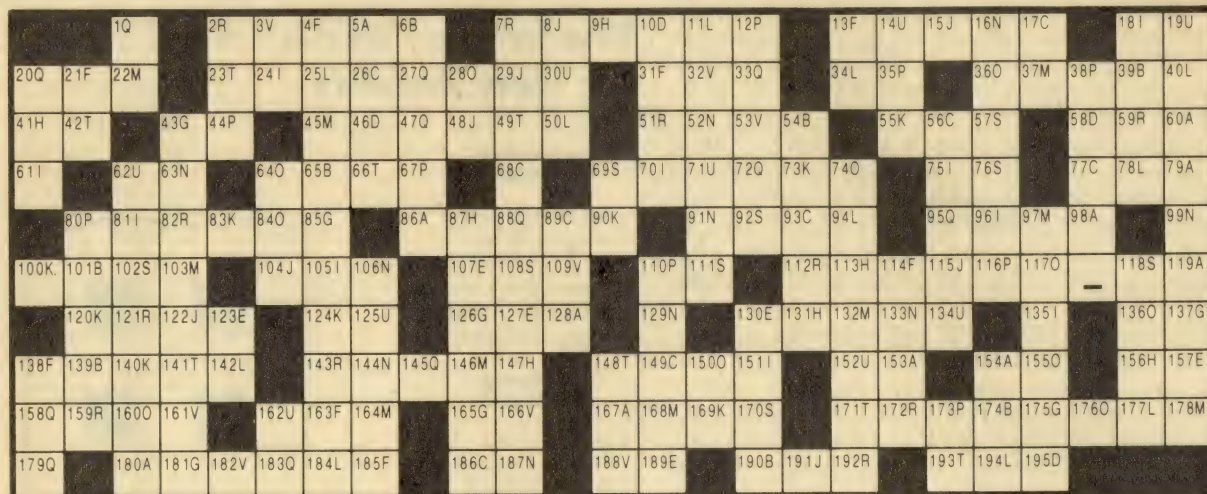
Answer Drawer, page 71

Double Cross★★

by Michael Ashley

Answer the clues for words to be entered on the numbered dashes. Then transfer the letters on the dashes to the correspondingly numbered squares in the puzzle grid to spell a quotation reading from left to right. Black squares separate words

in the quotation. Work back and forth between grid and word list to complete the puzzle. When you are done, the initial letters of the words in the word list will spell the name of the author and the source of the quotation. *Answer Drawer, page 71*



- | | |
|--|---|
| <p>A. Policy of conciliation 86 119 180 5 154 128 153 167 79</p> <p>B. Baseball's "Joltin' Joe" 6 39 54 65 101 174 139 190</p> <p>C. Empower, formally sanction 93 149 77 56 186 17 68 26 89</p> <p>D. Nothing more than what is specified 10 46 58 195</p> <p>E. Traffic lane for ships 107 123 127 130 157 189</p> <p>F. Masonry arch support 114 4 185 31 13 163 138 21</p> <p>G. Stereo speaker component 43 126 137 181 165 175 85</p> <p>H. Basketball official 9 41 87 113 131 147 156</p> <p>I. Artificial means of watering crops 75 18 24 81 61 96 151 135 70 105</p> <p>J. Steersman of a racing shell 122 8 15 115 191 104 48 29</p> <p>K. Thoroughly frightened 55 73 83 90 100 120 124 169 140</p> | <p>L. Giddy, dizzy (hyph.) 184 177 194 78 94 34 11 25 40</p> <p>M. "But where are the snows of —?" 22 37 97 103 132 146 164 168 178 45</p> <p>N. Improbable, strained 99 129 52 187 16 91 133 144 63 106</p> <p>O. Leftovers (3 wds.) 84 136 36 64 28 155 74 160 176</p> <p>P. Approve, endorse 12 35 38 44 80 110 116 173 67</p> <p>Q. Rapidly, apace (hyph.) 95 1 20 72 145 88 33 158 183</p> <p>R. Assertion that something is true 2 7 51 59 82 112 121 143 159</p> <p>S. Not beneficial to the body 118 76 92 57 108 69 170 102 111</p> <p>T. Expressed pain with the face 23 49 66 148 193 171 141 42</p> <p>U. Instruction manual (2 wds., 1 hyph.) 62 14 162 125 19 152 30 71 134</p> <p>V. Dealership display area 3 32 53 109 161 166 182 188</p> |
|--|---|

Safe Cracker ★★

by Mike Shenk

Imagine that each of the five rings can be rotated, as in a combination lock. How can they be set up so that each set of five letters, reading toward the center, is a familiar English word?

Answer Drawer, page 72

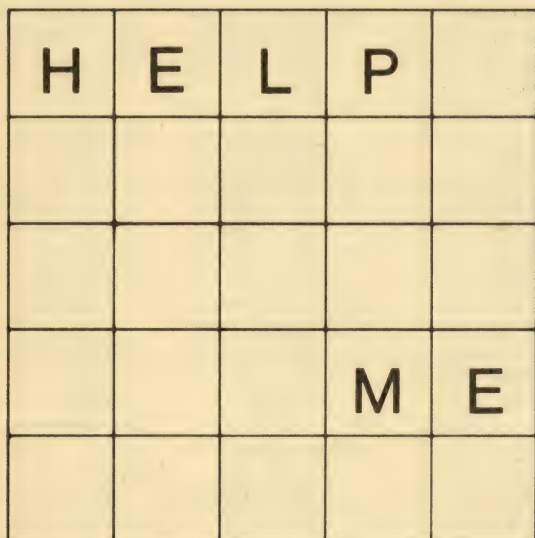


Help Wanted ★★

by Marek Penszko

This brainteaser was created by one of Poland's leading puzzlemakers. He advises, "You can HELP ME by writing in the vacant cells the letters E, H, L, M, and P, so that no letter is repeated in any row or column or either of the corner-to-corner diagonals." There is only one solution.

Answer Drawer, page 71



The crossword on this and the next two pages has two independent sets of clues: "Hard" and "Easier." First, fold this page back on the dashed line so the clues below face the solving grid on page 45. If you use only the Hard Clues (appearing below, and continuing under the grid), you'll find the puzzle uncommonly challenging. If you need help, or prefer a less severe challenge, open to the Easier Clues (tucked in beneath your fold on page 44). Remember, to peek or not to peek is up to you.

The World's Most Ornerly Crossword

Featuring the Odd Letters

by Merl Reagle

Hard Clues ★★★

- | | | |
|---|--------------------------------------|--------------------------------|
| ACROSS | 67 Small _____ | 137 Emcee _____ Lewis |
| 1 Author of <i>Games for the Superintelligent</i> | 68 Piques | 139 Adolf's one |
| 10 Body of poetry | 70 <i>Porgy and Bess</i> lady | 140 Egyptian lizard |
| 14 Basis of MacLeish's <i>J.B.</i> | 71 Canadian NHL member | 141 Ennead minus one |
| 17 Soviet-banner letters | 73 <i>Être, en anglais</i> | 142 Golfer Hogan et al. |
| 21 _____ Africa | 76 Rural depression? | 143 Hit bottom? |
| 23 Propelled | 78 New York Indian | 145 One of the three Rs: Abbr. |
| 24 Palindromic cry | 80 German statesman Ludwig et al. | 146 Down Under native, briefly |
| 25 Don Diego's alter ego | 84 Uncooled house | 147 Ancient mall |
| 27 Thinner | 85 Strain | 149 Hit by a grapefruit? |
| 28 Raccoon | 87 Docked amount, sometimes | 151 Name in Ethiopian history |
| 30 Martian visitor | 90 Polishing substance | 153 R. Crumb's '60s funnies |
| 31 Strewn through | 91 Beersheba's desert | 156 Thai cuisine herb |
| 32 Part of a UPI story | 93 Transformer abbr. | 158 Tumble, to Teutons |
| 34 Time-out | 95 Birdbath milieu | 159 Nebraska Indians |
| 36 Salad bowl adjunct | 96 Popeye's creator | 160 Lady of Spain |
| 37 Iterates | 97 Trouble for a truck | 162 Like cosmic questions |
| 39 Contract | 98 Formal headwear | 166 Country estate |
| 41 Family member | 102 French soldier | 167 Stab |
| 42 Hang out | 105 Sound furniture? | 168 "Hiss-tree" figure? |
| 43 Tibetan sage | 106 Synchronized | 169 Specious |
| 44 Bridge ventures | 108 Like some houses | 170 Barracks accessories |
| 45 Eliza's creator | 110 Hammer part | 171 Windsock indic. |
| 48 Jousting wear | 111 Whodunit pooch | 172 Mexican Indian |
| 50 Hirsch's <i>Taxi</i> role | 112 Outcast | 173 He hit 58 homers in '32 |
| 51 Parse | 115 Bow et al. | |
| 54 Chief discussions? | 117 <i>Paper Moon</i> co-star | |
| 56 Promotion, in a way | 119 "_____ the Walrus," Beatles tune | |
| 59 Prerogative | 122 Witch | |
| 61 Culvert entrance | 123 Little hare | |
| 62 Newsmen Charles and others | 125 "The lady or the tiger," e.g. | |
| 63 Bombshell, in a way | 129 La _____, Milan | |
| 65 "_____ so sure" | 131 Spanish philosopher | |
| | 133 Sweeney Todd's hot seat | |
| | 135 Lands | |

DOWN

- 1 F-16 or L-1011
- 2 Zodiacal types
- 3 Stream sound
- 4 "Ulalume" poet's signature
- 5 Surgical compound
- 6 Kam of Hawaii Five-O

The World's Most Ornerly Crossword (Continued)



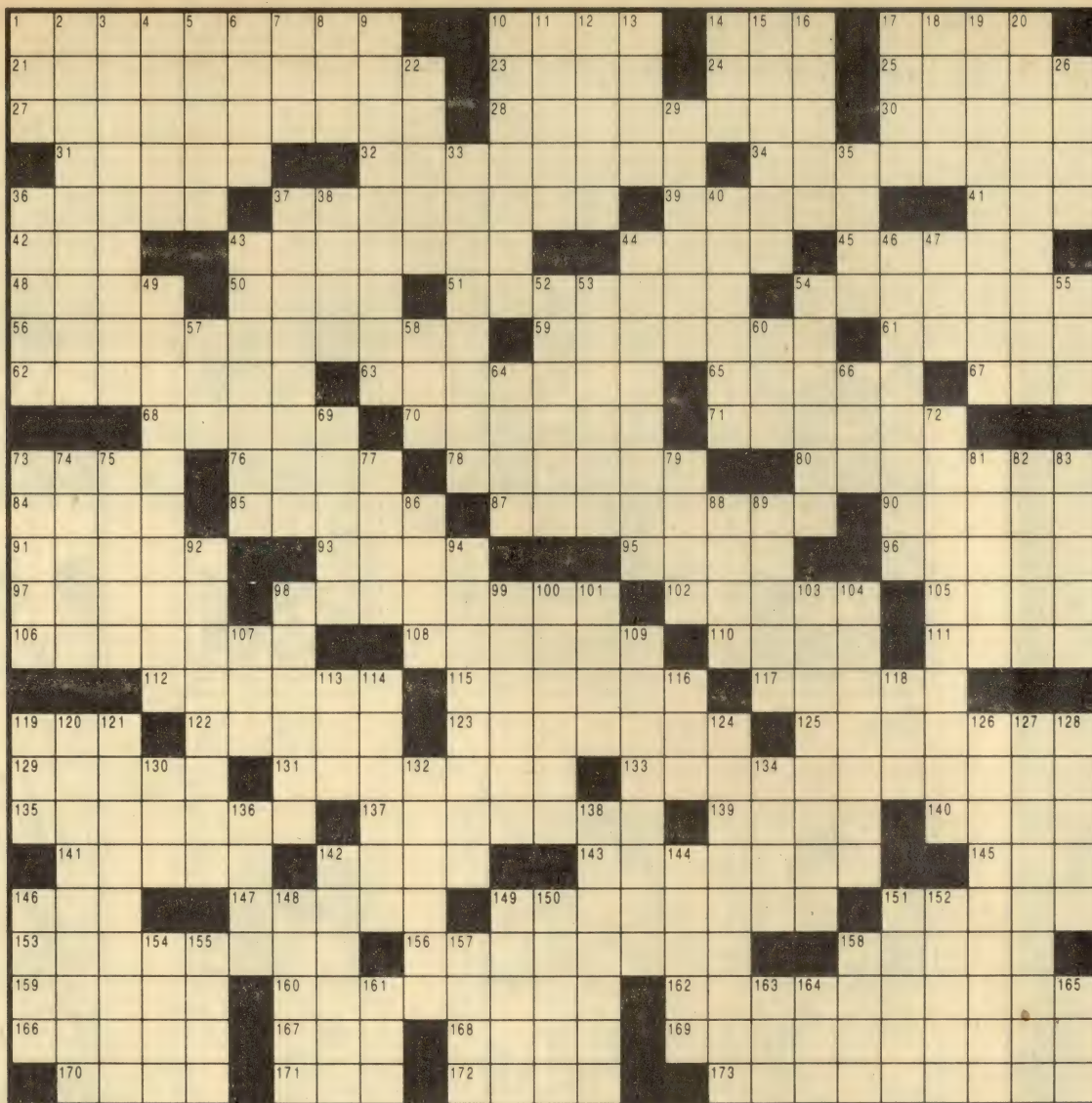
Easier Clues ★

ACROSS

- 1 *The Complete Book of Running* author: 2 wds.
10 Collection of poems (POSE anag.)
14 On-the- training
17 USSR, in Russian letters
21 Of the area at zero latitude
23 Transmitted
24 "Now I see!"
25 1981 film, the *Gay Blade*
27 Paintbrush cleaner
28 Raccoon: 2 wds.
30 Foreigner
31 Somewhere in
32 International: 2 wds.
34 Respite
36 Vinegar bottle
37 Repeats: 2 wds.
39 Landlord-tenant document
41 Opposite of bro.
42 Atmosphere
43 Gandhi
44 Auction offers
45 Author Harriet Beecher
48 Postman's load
50 *Roots* author Haley
51 What psychiatrists do
54 Board meetings, Indian-style
56 A raising in stature
59 Driver's permit
61 Strip of water
62 Namesakes of TV newsmen Charles
63 Anything horrifying
65 "kidding!": 2 wds.
67 Cook, as an egg
68 Fits of annoyance
70 Name meaning "peaceful" (RANEES anag.)
- 71 Vancouver hockey player
73 Hamlet's soliloquy start: 2 wds.
76 Singer Jerry
78 Roman dramatist (A SCENE anag.)
80 Namesakes of the developer of est (R. DASHER anag.)
84 Microwave
85 Put forth, as energy
87 Salary for 40 hours: 2 wds.
90 board (nail file)
91 Mideast desert (GENE V. anag.)
93 The E in G.E.: Abbr.
95 Three feet
96 Elzie, Popeye's creator (RAGES anag.)
97 A+ or F, e.g.
98 Collapsible chapeau: 2 wds.
102 French soldier of World War I (OIL UP anag.)
105 Record player: Hyph.
106 Brought into harmony
108 Ready-built house, for short
110 Hammerhead end
111 Nick Charles' dog
112 Social outcast (HA! A RIP anag.)
115 Nurse Barton and others
117 Ryan O'Neal's daughter
119 "I think, therefore": 2 wds.
122 Hag
123 Young hare (in CLEVER ETCHING)
125 Problem
129 La, Milan opera house (TOSCA LADY'S heart)
131 Spanish philosopher Miguel de y Jugo (UM, A NOUN anag.)
- 133 Clip joint seat?: 2 wds.
135 Shows up
137 Mr. Lewis, perennial game show host: 2 wds.
139 One: German
140 room (expand): 2 wds.
141 Eightsome
142 Actor Vereen and others
143 Swatted a mischievous kid
145 Library activity: Abbr.
146 Original Australian, for short
147 Greek marketplace
149 Got with a water pistol
151 Selassie
153 San Francisco's notorious '60s funnies: 2 wds.
156 Mexican cuisine herb (CONTRAIL anag.)
158 Actress Esther, of *Good Times*
159 Sioux Indians (OSTEO anag.)
160 Spanish miss
162 Having no solution
166 Pancho
167 Attempt
168 Eve's mate
169 Illogical
170 Army beds
171 Opposite of NNW
172 Sonoran Indian (RISE anag.)
173 Hall of Famer who hit 58 homers in 1932: 2 wds.
- 6 Ex-Senator Hiram of Hawaii
7 NYC subway system
8 Roman 12
9 Crosslines on a geometric graph: 4 wds.
10 Saskatchewan city (EAST NEV. anag.)
11 D.C. hostess Mesta
12 Dream: Prefix (NO IRE anag.)
13 British weapon (NEST anag.)
14 Namath or DiMaggio
15 Author John and actress Maureen
16 Drills
17 Soviet sovereign, at one time
18 Intestine: Prefix (COIL anag.)
19 Sounds a verbal false alarm: 2 wds.
20 Coming-events writer
22 Smallest
26 Aces
29 British Honduras' new name (LIZ BEE anag.)
33 "Love apples"
35 Dollar, below the border
36 Walk-on role
37 State government revenue: 2 wds.
38 Throat-clearing sound
40 Perfect
43 Indian Ocean island group (VILE, MAD anag.)
44 Old-timer's "aha": 2 wds.
46 Nervous tics
47 Have
49 Became limber: 2 wds.
52 Double-bond hydrocarbon (KEEN L.A. anag.)
53 Mortgagee
54 Big name in department stores
- 55 Pigpen
57 *vivant*
58 Group for straight-A students: Abbr.
60 Wee: Scottish (SAM anag.)
64 Eight boatmen
66 Belonging to us
69 Shuteye
72 First king of Hawaii (MAKE A HAM, EH? anag.)
73 South Pacific Islands (NO TAG anag.)
74 In the open
75 Sired, in the Bible
77 Mystery author Stanley Gardner
79 "Pa's", palindrome: 2 wds.
81 TV emcee Philbin
82 Conscription
83 Damascus' country
86 Dance class, for short (REPT anag.)
88 'Copter rotor
89 Go on (reduce): 2 wds.
92 Largest human vein: 2 wds. (AVA VANCE anag.)
94 Motorists' organizations: 2 wds.
98 Distasteful
99 Miss Curtis of cosmetics
100 Do (help out): 2 wds.
101 Biblical weed
103 Became heavy, as with metal
104 Not ready for bed yet
107 Flub
109 Steakhouse feature, by some renderings: 2 wds.
113 Raggedy
114 Listener
- 116 Shark's domain
118 Opposite of lower right center: Abbr.
119 "This stick-up!": 2 wds.
120 Gymnastic
121 13th-century merchant traveler: 2 wds.
124 Delaware River city and state: 2 wds.
126 Resident of Spain's capital
127 County in England or New Jersey
128 In (furious): 2 wds.
130 Illuminated
132 Monte Carlo's land
134 Tenspeed, e.g.
136 Dutch cheese
138 Quake-caused tidal wave (AM I NUTS? anag.)
142 Prizefighters
144 Chilean pianist Claudio (in FARR AUDITORIUM)
146 Russian sea
148 Central ideas
149 Playground piece
150 Arab state (question a sailor?)
151 Moo-moo's friend
152 "a sudden": 2 wds.
154 Boston cager, in headlines
155 She-bears: Spanish (SO AS anag.)
157 Gershwin and Levin
158 Paper amount
161 Comedian Louis
163 Lanka
164 Blot, old style (MEW anag.)
165 Sigma Delta Chi, to members

DOWN

- 1 Fast airplane
2 January 20-February 18 births
3 Cooing
4 "The Raven" poet's signature
5 Type of river net (in LAST ENTRY)



Hard Clues (cont'd)

Answer Drawer, page 72

- | | | | | | |
|---|----------------------------------|---|--------------------------------------|---|---|
| 7 Relative of the BMT | 22 Most minuscule | 54 Millionaire whose middle name was Cash | 82 Version | 116 Carrier domain | 142 Rebels of 1900 |
| 8 Noon | 26 Binary digits | 55 Swine suite | 83 Aleppo's land | 118 Capitals and small letters, to the printer: Abbr. | 144 Pianist Claudio |
| 9 Graph bases | 29 Neighbor of Guatemala | 57 Half a candy | 86 U. of Maryland player | 119 Bible book: Abbr. | 146 Sea bordering Crimea |
| 10 Saskatchewan town near the Dakota border | 33 Gazpacho ingredient | 58 Org. for gifted students | 88 The skull in <i>Hamlet</i> , e.g. | 120 Like tumblers | 148 Salient points |
| 11 Hostess to Ike and others | 35 Tamale dough? | 60 Paltry, in Paisley | 89 On _____ (fasting) | 121 Asian double-crosser? | 149 Kind of rule |
| 12 Word part meaning "dream" | 36 Fine bit of writing | 64 Announced morning | 92 Aorta counterpart | 124 East U.S. address | 150 Doha is its capital |
| 13 Tommy gun? | 37 Extra bite at the market | 66 _____ <i>Gang</i> | 94 AAA and others | 126 Urban Spaniard | 151 Equoid |
| 14 Gleason's bartender | 38 "Do you mind?" | 69 The "ape of death," to Shakespeare | 98 Repugnant | 127 Hampton Court locale | 152 Fully |
| 15 Flicka's creator et al. | 40 Utopian | 72 Hawaiian ruler | 99 Parisienne's name | 128 _____ to <i>Live</i> , 1965 film | 154 Gaelic guy |
| 16 Puts to sleep | 43 _____ Islands, south of India | 73 Carriage of India | 100 "Do me _____" | 130 Pixilated | 155 Explorer Johnson et al. |
| 17 Red chief? | 44 "Dagnabbit!" | 74 Public | 101 Truck weight, e.g. | 132 Grace's place | 157 Cleo's handmaiden |
| 18 <i>Escherichia</i> _____, culture medium | 46 Don Knotts gestures | 75 Biblical "bore"? | 103 Got heavy | 134 Velodrome vehicle | 158 Cheat, flagrantly |
| 19 Plays with fire, in a way | 47 Pay off, in a way | 77 Film director Kenton | 104 Still fresh | 136 Dairy-counter purchase- | 161 Actress Carrie |
| 20 "Sneak" presenter | 49 Did jumping jacks, first | 79 PDQ, on a memo | 107 Misplay an out | 138 Seismic ocean disturbance | 163 Mr., in Hindu |
| | 52 Hydrocarbon | 81 Actor Toomey | 109 Rib-joint sign | | 164 Moral stain of yore |
| | 53 Mortgage holder | | 113 Miller, but not Meara | | 165 College journ. honorary: Greek letter abbr. |
| | | | 114 Audient | | |

Picture Dominoes ★

by Mike Shenk

The dominoes below, like their spotted everyday counterparts, can be linked to form a continuous chain. But the difference here is that these dominoes are to be linked according to story lines suggested by the pictures: the bottom half of each domino begins a story that continues in the top half of another domino.

For example, the bottom of domino A (man on skis) leads to the top of domino H (same man with broken leg). The bottom of domino H, beginning a new story, leads to the top of domino A...? Eventually, the chain will end up with the top of domino A. Get the picture?

Answer Drawer, page 72



A.



B.



C.



D.



E.



F.



G.



H.



I.



J.



K.



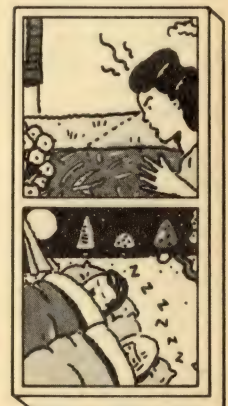
L.



M.



N.



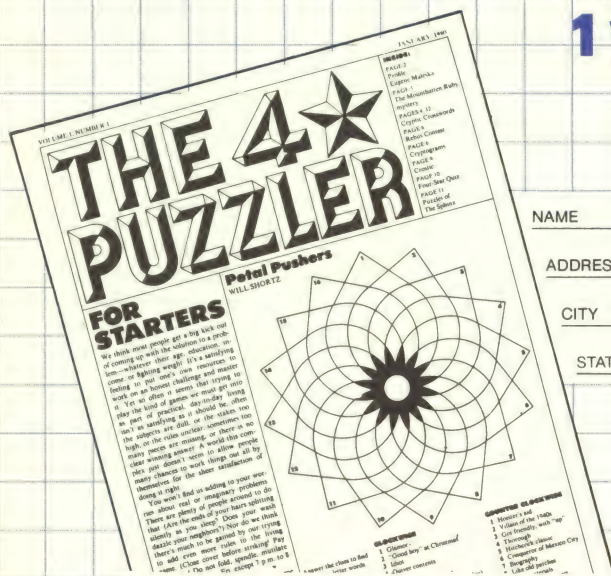
O.

Illustrations by Terry Allen

brain games

1 year (12 issues)
only \$14.97

JJSA3



NAME _____

ADDRESS _____

CITY _____

STATE _____

ZIP _____

☐ I prefer 2 years (24 issues) for only \$22.97

☐ Payment enclosed. ☐ Bill me later.

For Canadian and foreign orders, add \$2.00 per subscription year. Allow 4-6 weeks for delivery of first issue.

GUYS

now it. Now there's a u. THE FOUR-STAR better that challenges great time.

R is jam-packed with month...

problems, ingenious

anagrams, intriguing "whodunits," fascinating trivia quizzes, outstanding cryptic crosswords, clever contests, and more!

Not sold on newsstands, THE FOUR-STAR PUZZLER is *only* available to you by subscription.

So if you like "tough" puzzles—and lots of them, every month—you'll love THE FOUR-STAR PUZZLER!

To subscribe, use one of the attached post-paid cards, or, if someone has beaten you to them, send \$14.97 to:

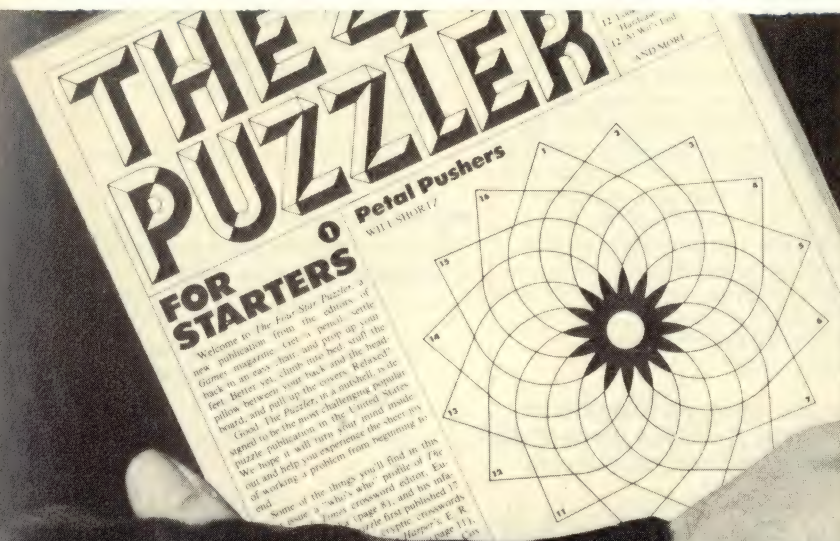
THE FOUR-STAR PUZZLER
PO. Box 10149
Des Moines, Iowa 50340

You'll receive one year (12 issues) of America's most challenging "tough puzzle" publication!

YOUR FOUR-STAR GUARANTEE: If you're ever not satisfied with THE FOUR-STAR PUZZLER (for any reason), just write to us, and we'll refund your money on all unmailed issues.

Don't put it off. Get wise. Subscribe to THE FOUR-STAR PUZZLER TODAY!

Allow 4-8 weeks for delivery of first issue. For foreign and Canadian orders, add \$2.00 per subscription.



Picture Dominoes ★

by Mike Shenk

The dominoes below, like their spotted everyday counterparts, can be linked to form a continuous chain. But the difference here is that these dominoes are to be linked according to story lines suggested by the pictures: the bottom half of each domino begins a story that continues in the top half of another domino.

For example, the bottom of domino A (man on skis) leads to the top of domino H (same man with broken leg). The bottom of domino H, beginning a new story, leads to the top of ...? Eventually, the chain will end up with the top of domino A. Get the picture?

Answer Drawer, page 72



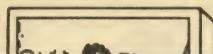
A.



F.



G.



H.



I.



J.



K.



L.



M.



N.



O.



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

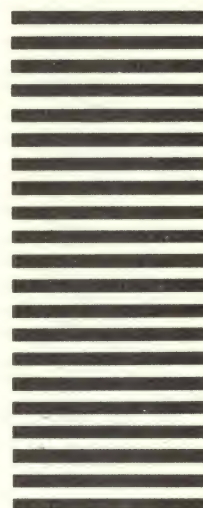
BUSINESS REPLY CARD

FIRST CLASS PERMIT NO. 6858 DES MOINES, IOWA

POSTAGE WILL BE PAID BY ADDRESSEE

THE 4★ PUZZLER

P.O. Box 10149
Des Moines, Iowa 50347



Illustrations by Terry Allen

A NEWSLETTER FOR WISE GUYS



You're smart and you know it. Now there's a newsletter *just* for you. **THE FOUR-STAR PUZZLER**, the newsletter that challenges your mind while you have a great time.

THE FOUR-STAR PUZZLER is jam-packed with over 50 **tough** puzzles every month...

...puzzles such as tricky logic problems, ingenious anagrams, intriguing "whodunits," fascinating trivia quizzes, outstanding cryptic crosswords, clever contests, and more!

Not sold on newsstands, **THE FOUR-STAR PUZZLER** is *only* available to you by subscription.

So if you like "tough" puzzles—and lots of them, every month—you'll love **THE FOUR-STAR PUZZLER**!

To subscribe, use one of the attached post-paid cards, or, if someone has beaten you to them, send \$14.97 to:

THE FOUR-STAR PUZZLER
P.O. Box 10149
Des Moines, Iowa 50340

You'll receive one year (12 issues) of America's most challenging "tough puzzle" publication!

YOUR FOUR-STAR GUARANTEE: If you're ever not satisfied with **THE FOUR-STAR PUZZLER** (for any reason), just write to us, and we'll refund your money on all unmailed issues.

Don't put it off. Get wise. Subscribe to THE FOUR-STAR PUZZLER TODAY!

Allow 4-8 weeks for delivery of first issue. For foreign and Canadian orders, add \$2.00 per subscription.

Your Bank _____

Account Number _____

City & State _____

PAY
TO THE
ORDER OF

19

\$16.00

Save the Children
Sixteen and 00/100

DOLLARS

(Signature) _____

MEMO: U.S. Income Tax Deductible
Monthly Sponsorship

(Your Address) _____

City & State _____

Zip _____

Fill out this check (or use your own) and save the children

For only 52¢ a day (just \$16 a month) you can befriend a needy child through Save the Children. Your money, combined with that of other sponsors, can breathe new life into an impoverished village...help hardworking people in their fight for dignity...turn despair into hope for a child who has known only disaster. 52¢ may not buy much where you live. But for the poorest of the poor, where the need is so desperate, it can work miracles.

For your first monthly sponsorship contribution, just fill out and sign the check at the top of this page (yes, as long as you indicate your bank name and account number, it is negotiable). Mail the entire page to Save the Children. Of course, you may use your personal check if you prefer.

TELL US HOW YOU WANT TO HELP BY ANSWERING THESE QUESTIONS.

Your name _____
(please print)

Address _____

City _____ State _____ Zip _____

1 What kind of child would you like to help?

☐ Boy ☐ Girl ☐ Either

2 What geographical area are you interested in?

Urgent need exists in all the areas listed below. Select an area, or let us assign a child where the need is greatest.

☐ Where the need is greatest

- | | |
|---|---|
| <input type="checkbox"/> Africa | <input type="checkbox"/> Inner Cities |
| <input type="checkbox"/> American Indian | <input type="checkbox"/> (U.S.) |
| <input type="checkbox"/> Appalachia | <input type="checkbox"/> Israel |
| <input type="checkbox"/> Bangladesh | <input type="checkbox"/> Lebanon |
| <input type="checkbox"/> Chicano (U.S.) | <input type="checkbox"/> Mediterranean |
| <input type="checkbox"/> Colombia | <input type="checkbox"/> Mexico |
| <input type="checkbox"/> Dominican Republic | <input type="checkbox"/> Nepal |
| <input type="checkbox"/> Honduras | <input type="checkbox"/> Southern States |
| <input type="checkbox"/> Indonesia | <input type="checkbox"/> (U.S.) |
| | <input type="checkbox"/> Sri Lanka (Ceylon) |

3 Would you like a picture of your sponsored child?

Shortly after we select a child for you, we can send you a photograph and brief personal history, if you desire.

☐ Yes ☐ No


4 Would you like to correspond with your sponsored child?

If desired, correspondence can help build a meaningful one-to-one relationship. Translations, where necessary, are supplied by Save the Children.

☐ Yes ☐ No

5 Would you like information about the child's community?

When you become a sponsor, your funds are used to help children in the most effective way possible—by helping the entire community with projects and services. For health care, education, food production, and nutrition. Several times a year you can receive detailed reports on these community activities which provide permanent improvements to the child's environment. Would you like to receive such information?

☐ Yes ☐ No

6 Do you wish verification of Save the Children credentials?

Save the Children is indeed proud of

Mail to:

Save the Children®
50 Wilton Road, Westport, Connecticut 06880
Attn: David L. Guyer, President

the handling of its funds. Based on last year's audit, an exceptionally large percentage (83.3%) of each dollar spent was used for program services and direct aid to children and their communities. Due to volunteered labor and materials, your donation provides your sponsored child with benefits worth many times your total gift. Would you like to receive an informative Annual Report (including a summary financial statement)?

☐ Yes ☐ No

(A complete audit statement is available upon request.)

7 Would you rather make a contribution than become a sponsor at this time?

☐ Yes, enclosed is my contribution of \$_____

☐ Check here for general information about our unique programs for aiding impoverished children.

© 1981 SAVE THE CHILDREN FEDERATION, INC.



GA 5/2

YOUR SPONSORSHIP PAYMENTS AND CONTRIBUTIONS ARE U.S. INCOME TAX DEDUCTIBLE.
Established 1932. The original U.S. child sponsorship agency. Member of American and International Councils of Voluntary Agencies.

AMERICAN AVERAGES

by Mike Feinsilber and William B. Mead



Who *is* the average American, anyway? While few people we know admit to being average, ordinary, or run-of-the-mill, almost everybody is curious about who is. According to statistics collected by regular guys Mike Feinsilber and Bill Mead in their book, *American Averages*, the average American has some pretty peculiar habits. Do you recognize this person in the following quiz? Scores of 0 to 4 and 15 to 20 correct are unusual; 5 to 9 and 11 to 15 correct are fairly typical; and 10 correct, for better or worse, is exactly average.

Answer Drawer, page 72

1. On an average day, Americans buy 3,287

- a) IBM electric typewriters
- b) pairs of roller skates
- c) sets of encyclopedias
- d) clarinets

2. Between morning coffee and "lights out," the average married couple converses

- a) 2 hours a week
- b) 2 minutes a week
- c) 20 minutes a week
- d) 6 hours a week

3. According to time management expert R. Alan McKenzie, the average manager

- a) writes 45 memos a week
- b) spends 72 percent of his or her workday on the phone
- c) drinks 7 martinis a week
- d) is interrupted every 8 minutes all day long

4. Including signs, package labels, and all kinds of ads, the average American is exposed to _____ commercial messages each day.

- a) 200
- b) 65
- c) 1,800
- d) 482

5. At a typical Redskins game, fans will consume

- a) 16,000 hot dogs
- b) 2,250 servings of french fries
- c) 15,000 beers
- d) 500 glasses of wine

6. On a usual summer day, the average American's feet

- a) are bare 52 percent of the time
- b) swell 10 percent
- c) perspire 38 percent more than in the winter
- d) are, in all likelihood, the farthest thing from his mind

7. Each year, the average young, up-

and-coming executive spends _____ tying his tie.

- a) 24 hours
- b) 4 hours
- c) 1,460 seconds
- d) 68 minutes

8. In an average year, Americans use the Yellow Pages

- a) 8 out of 10 times to reach high shelves
- b) 43 percent more often than they use dictionaries to boost kids up to the dinner table
- c) 17 billion times for all kinds of information
- d) 2.3 percent of the time for kindling

9. The candy bar that satisfies the American sweet tooth more often than any other is:

- a) a Snickers bar
- b) an Almond Joy
- c) a Milky Way
- d) a Nestle's Crunch bar

10. Before it runs out of lead, a typical #2 pencil can draw a line

- a) 26 yards long
- b) 3.2 times faster than a ball-point pen
- c) 35 miles long
- d) 53½ times taller than Walt Frazier

11. In the course of their daily rounds,

- a) 538 out of 1,000 boxers are TKO'd
- b) 59 percent of average American interns are propositioned by their patients
- c) 2 out of 7 merry-go-rounds break down
- d) 28 mailmen are bitten by dogs

12. The favorite pastime of 1 out of 5 Americans is

- a) whittling
- b) daydreaming
- c) working crossword puzzles
- d) shooting the breeze

13. The average American will pack up

and move from one home to another

- a) every 10.6 years
- b) 59 percent more readily than his or her parents
- c) in 9.8 hours, with a U-Haul
- d) 14 times in his or her lifetime

14. The average person laughs

- a) 63 percent more often at slapstick than at subtle humor
- b) twice as loud as the average hyena
- c) at 2.5 out of 3 jokes
- d) 15 times a day

15. The average family car

- a) has 7 accidents in its lifetime
- b) is driven 12,000 miles a year
- c) goes through 35 tires
- d) receives 6 paint jobs before retiring to the junkyard

16. The average listener hears

- a) better at age 10 than he or she ever will again
- b) better at the dinner table than at the breakfast table
- c) exactly what he or she wants to hear 79 percent of the time
- d) 23 percent worse than a dog

17. The average person—when *not* flirting—bats his or her eyelashes

- a) every ten seconds
- b) 25 times per minute
- c) 2.5 times faster than Vivien Leigh
- d) on a par with Elsie the Cow

18. Between dawn and dusk on any given day in America, _____ couples are wed, and _____ couples are divorced.

- a) 10,015; 6,504
- b) 848; 12
- c) 3,150; 6,320
- d) 5,962; 2,986

19. The average American spends 16 cents of every dollar on

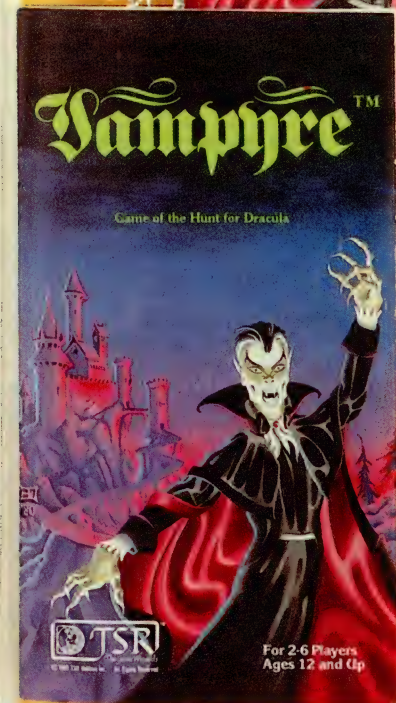
- a) a Big Mac
- b) off-track betting
- c) a new pair of Adidas
- d) a new car

20. For business or pleasure, on an average day Americans will make _____ telephone calls.

- a) 980,000
- b) 1.8 million
- c) 75 million
- d) 580 million



CAPTURE ACTION PACKED FANTASY ADVENTURE WITH TSR™ MINIGAMES!



SAGA™

Age of Heroes Minigame

Defeat evil monsters, win fabulous treasures and rule great kingdoms in a quest to gain glory and be the one hero whose memory will live on forever in the songs and stories of the ages.

REVOLT ON ANTARES™

Science Fiction Minigame

The people of Imirrhos want freedom, and plots are being laid to rise up and throw off Terran rule. You are based on the futuristic planet in a science fiction adventure that boils with intrigue and excitement.

THEY'VE INVAAED PLEASANTVILLE™

Game of Alien Infiltration

The small unsuspecting town of Pleasantville has become a target of an alien takeover of its townspeople. Can they be stopped, or is it too late?

VAMPIRE™

Game of the Hunt for Dracula

Putting an end to the evils of Count Dracula is as challenging an endeavor as can be imagined. It requires bravery and the willingness to take incredible risks. Based on Bram Stokers 1897 horror classic "Dracula"

SAGA, REVOLT ON ANTARES, VAMPIRE & THEY'VE INVAAED PLEASANTVILLE are trademarks owned by TSR HOBBIES, INC. ©1981 TSR Hobbies, Inc. All Rights Reserved.

THEY'VE INVAAED PLEASANTVILLE™

Game of Alien Infiltration



For a free color catalog of other fine games and accessories write to:

TSR HOBBIES, INC.,
POB 756 Dept. 170-74 G2
Lake Geneva, WI 53147.

FROM



© 1980 TSR Hobbies Inc. All Rights Reserved

STROKES OF GENIUS

You're about to tee off at the world's weirdest miniature golf course—nine holes conjured up by the winners of our "Dream Miniature Golf Hole" contest (July/August 1981). Entries were judged for that intangible quality we call ingenuity—the only requirement was that the hole be theoretically playable. First prize winner Harry Oakes of Glen Mills, Pennsylvania, wins Fore-Par Table Golf from World Wide Games, and the runners-up win *Games* T-shirts. (All entries have been redrawn for publication). Ready to putter around?

1 The Hole of Holes by Harry Oakes, Glen Mills, PA

- *Hard shot*: hit Gerald Ford's swinging club just right and the ball is chipped onto green. Hit it wrong, you get beamed.
- *Easier shot*: take a duffer's tour through and around some of golfdom's most famous real holes and players.

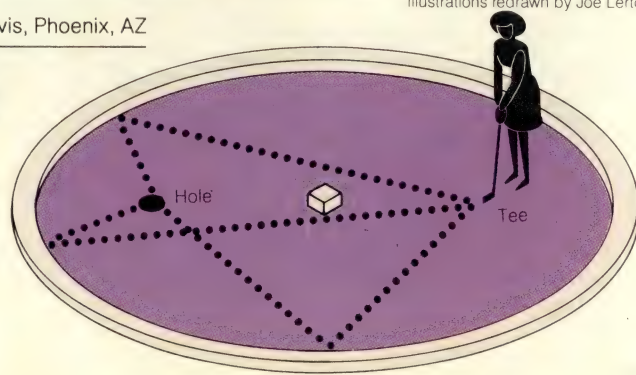
2 High Dive by Marcel Levesque, Enfield, CT

- *All shots*: tee is reached by climbing 120-foot ladder. Any ball falling outside playing area must be re-teed with a 1-stroke penalty. Any player falling outside playing area may, after recovering, tee up again without a penalty.



3 The Ellipse by Mark Davis, Phoenix, AZ

- *All shots*: in an ellipse, a ray starting at one focus will always reflect to the other focus, here guaranteeing a hole-in-one. The block between the tee and the hole (the two foci) prevents the possibility of some klutz taking (and missing) a direct shot.



Illustrations redrawn by Joe Lertola

STOKES OF GENIUS

4

The Shootout

by Richard Doss, Sherman Oaks, CA

• **Hard Shot** ("Kill"): down slope, through heart of mechanically rising badguy, into channel, and onto green for an A-OK Corral putt.

• **Easier shot** ("Wound"): bounces off gunslinger ("jest a scratch") for additional putts through rugged gulch and up to green.

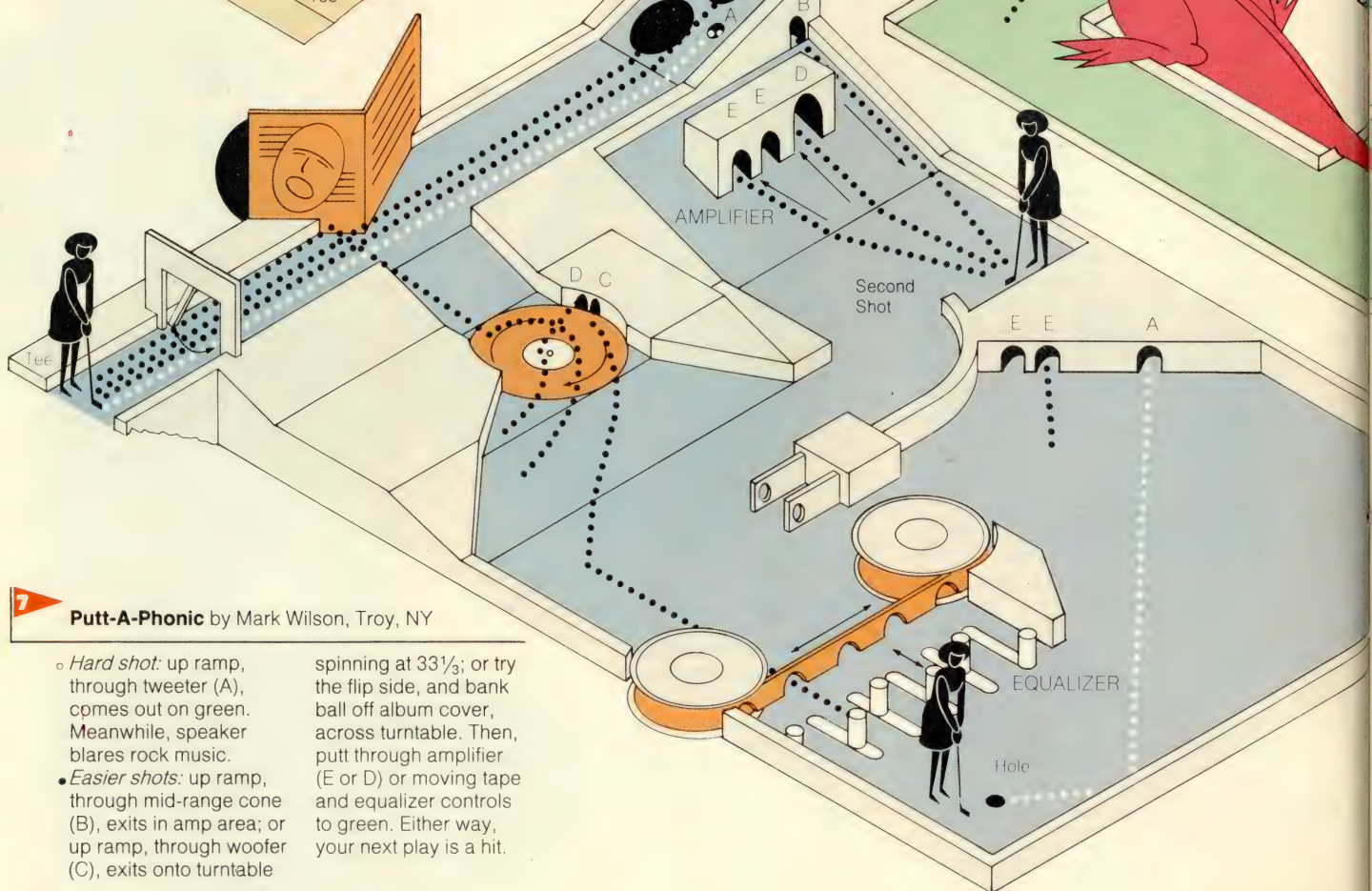
• **Unfortunate shot** ("Gotcha"): that no good quickdraw artist sucks in ball and shoots it back at you. Putt again or take the next stage-coach out of town.

5

The Tricker

by Tom Piwowarski, Cheektowaga, NY

• **All shots**: fairway appears hazard-free until ball crosses electric eye, setting cylinders moving up and down like deranged pistons. Ball must miss all cylinder heads and enter green via rotating platforms. A shot into the water takes a 1-stroke penalty.



7

Putt-A-Phonic

by Mark Wilson, Troy, NY

• **Hard shot**: up ramp, through tweeter (A), comes out on green. Meanwhile, speaker blares rock music.

• **Easier shots**: up ramp, through mid-range cone (B), exits in amp area; or up ramp, through woofer (C), exits onto turntable

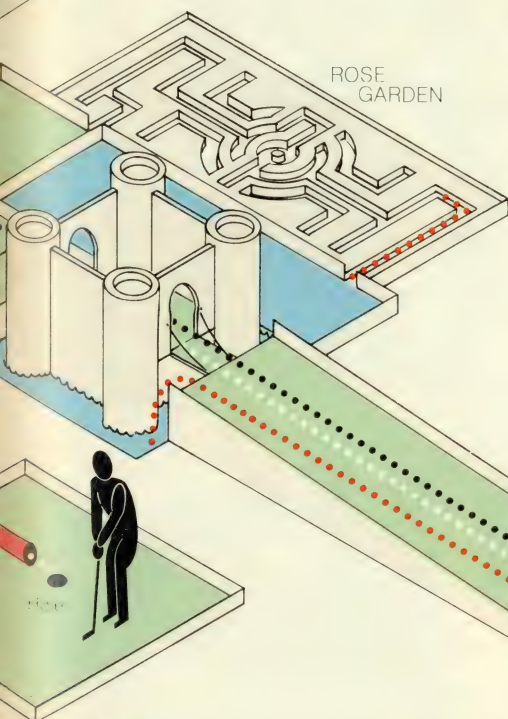
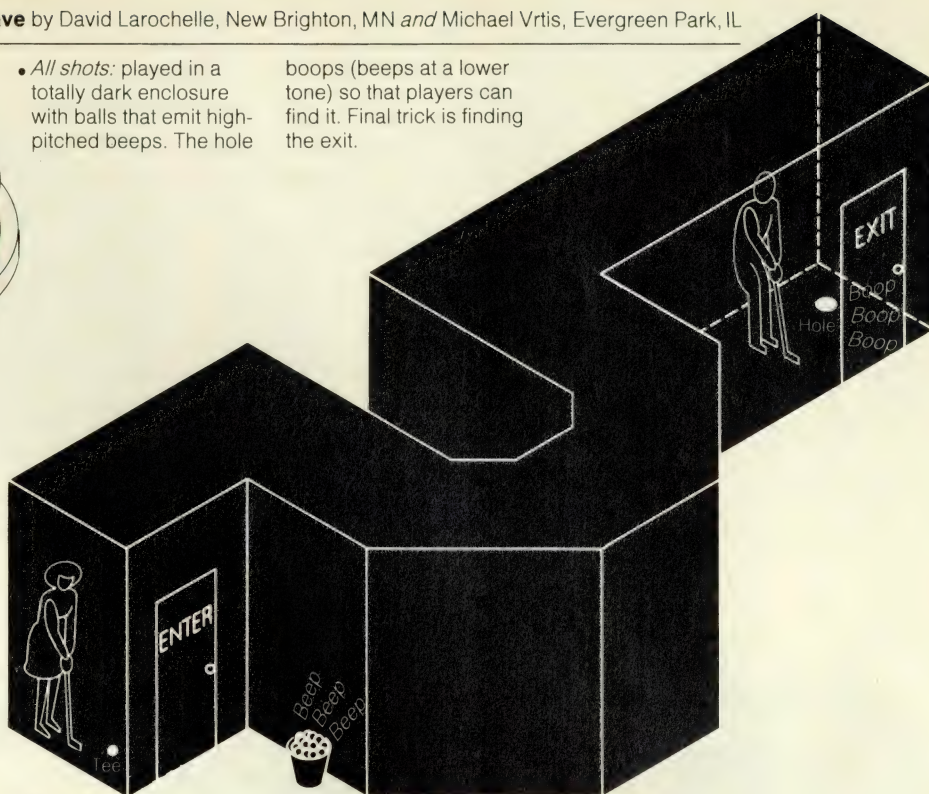
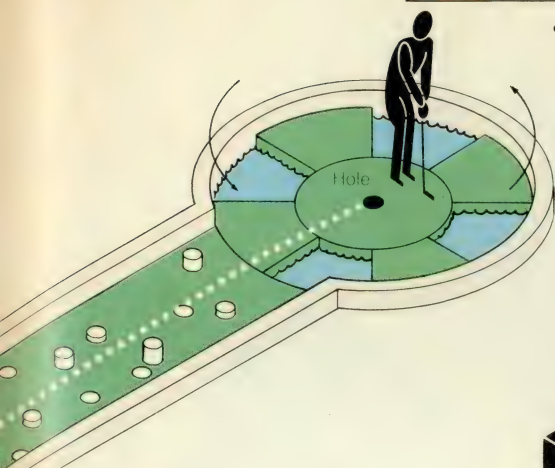
spinning at $33\frac{1}{3}$; or try the flip side, and bank ball off album cover, across turntable. Then, putt through amplifier (E or D) or moving tape and equalizer controls to green. Either way, your next play is a hit.

6

The Cave by David Larochelle, New Brighton, MN and Michael Vrtis, Evergreen Park, IL

- *All shots:* played in a totally dark enclosure with balls that emit high-pitched beeps. The hole

boops (beeps at a lower tone) so that players can find it. Final trick is finding the exit.



ROSE GARDEN

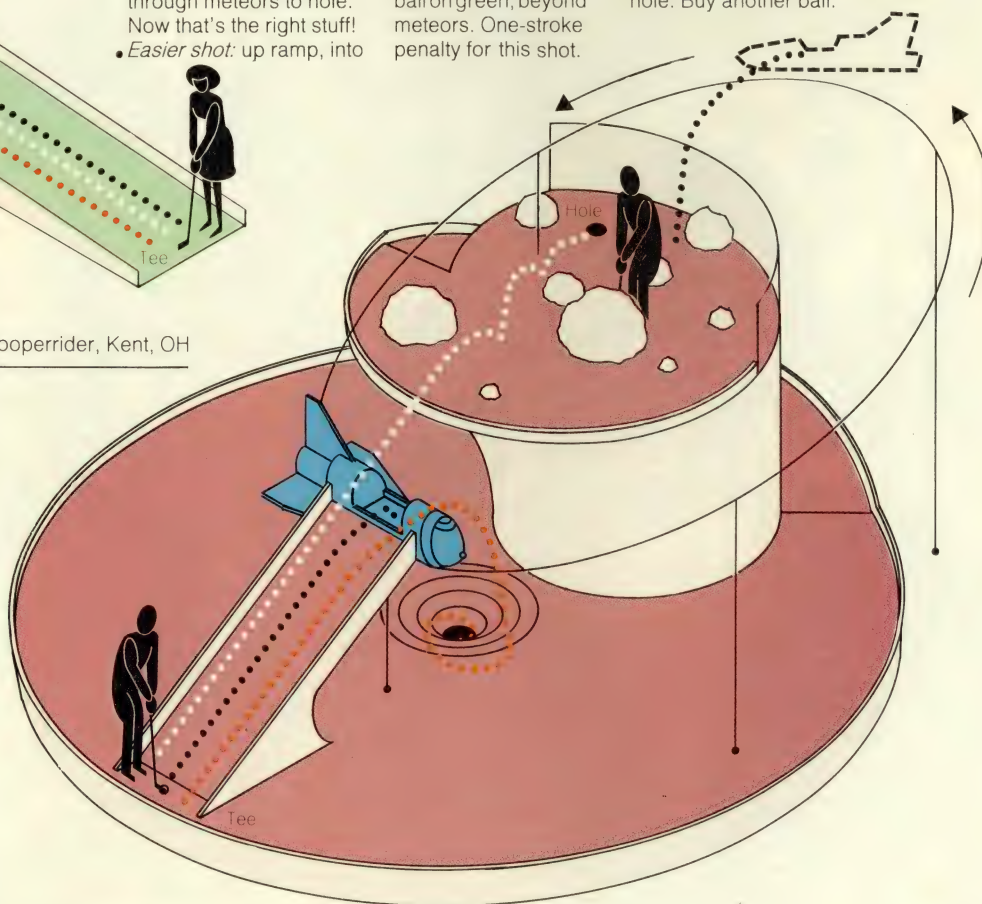
9

The Columbia by James Madden, Northampton, MA

- *Hard shot:* up ramp, over orbiting space shuttle, through meteors to hole. Now that's the right stuff!
- *Easier shot:* up ramp, into

Columbia's cargo hold, or biting shuttle deposits ball on green, beyond meteors. One-stroke penalty for this shot.

- *Unfortunate shot:* misses shuttle, falls into black hole. Buy another ball.



8

The Castle on the Hill by John Cooperrider, Kent, OH

- *Hard shotte:* uppe ye olde ramp, over drawbridge, through castle perilous, into nasty dragon's mouth, onto greene.
- *Easier shotte:* uppe ye olde ramp, over drawbridge, through castle perilous, into fairway for additional shottes to greene.
- *Unfortunate shotte:* misses ye olde ramp, lands knavelike in moat for 1-stroke penalty; resume play at entrance to Queen's forbidden rose garden maze for many additional shottes to greene.

STAR 'CROSSED

☆☆

To solve this case of split personalities, you'll need to consult Miss Rona, not Professor Freud. During this year's Oscar frenzy, we created the identity crisis by cutting up and splicing together the faces of eight former Oscar winners. Can you guess which

three stars make up each composite face?
(If you need a hint, turn to
page 70 for the names
of the eight stars.)

Answer Drawer, page 72

Photo retouching by Bob Rakia





DRAMBUIE OVER ICE WITH THE SUNDAY PUZZLE.

GAMES & BOOKS

Edited by Phil Wiswell



INTERPLAY (from Philip Shoptaugh Games, 3204 Hollis Street, Oakland, CA 94608; \$18 plus \$2 postage).

Certain game ideas are inherently strong enough to form the basis of entire families of successful games. The ancient five-in-a-row theme, used in such excellent strategy games as gomoku, Fifth Column, and Pente, has thus been given a new and pleasing wrinkle with Interplay.

Each player has ten pegs, four hollow cylinders, and four solid cylinders. A turn consists of placing a piece into one of the holes in the 7 x 7 array that comprises the board. Unlike other five-in-a-row games, Interplay allows opposing pieces to occupy the same point: a player may place a hollow cylinder over an opponent's peg, or slide a peg into an opponent's hollow cylinder. A solid cylinder blocks further play on its point, and is for this reason the most important defensive weapon at a player's disposal.

The object is to get five of one's pieces in a line in any direction. But not just any five pieces will do: the line must contain cylinders and pegs arranged symmetrically, and the two end pieces must be pegs. Drawn games are impossible because a player who has used up all his pieces of one type may use future turns to reposition those already on the board.

For serious players, a worthwhile collection of annotated games, problems, and strategy hints is available from the manufacturer for \$3.

—R.W.S.

RUNES (Eon Products, around \$10).

By combining various numbers of the four shapes shown at right, you can form every letter in the alphabet. That is the simple and very clever basis of Runes, the most original word game we've seen in years.

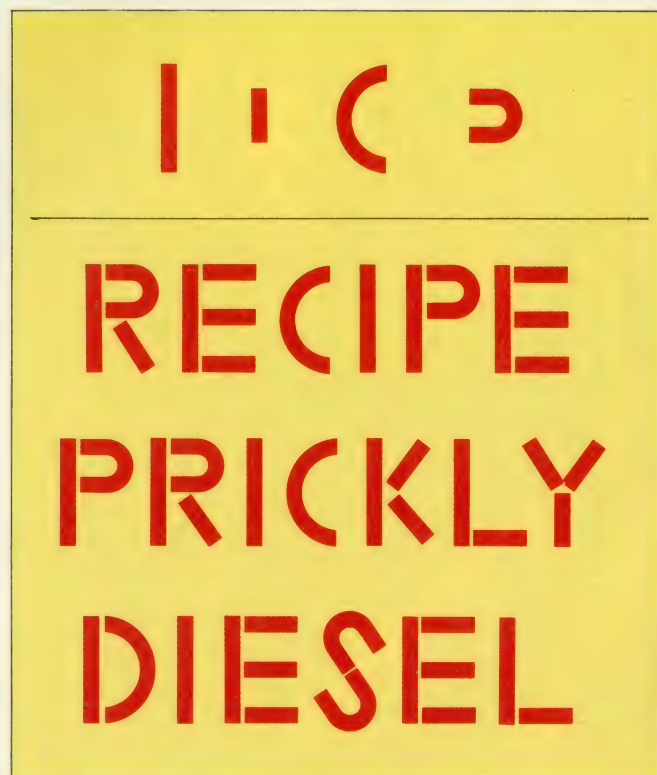
Actually, Runes includes the rules for three different games, all of them ideal for family play because adults can be given handicaps. One game is deductive, like hangman. Each player secretly chooses a word of predetermined length (up to six letters), and then attempts to guess the other players' words by placing the shaped pieces—"runesticks"—in designated letter spaces on the opponents' boards one piece at a time. If the piece guessed is needed to form that letter in the opponent's word, the player earns a point and another guess; if it isn't, the player's turn is ended. The winner is the first player to score 25 points and correctly guess an opponent's word.

Another game is a race in which the players each form a three- or four-letter word, then mix up their runesticks and pass them to an opponent. The first player to form a new word of the same length using all of those sticks is the winner.

In the third game, players choose words, form them with runesticks, and then try to form other words using those same sticks. This game also makes an excellent solitaire puzzle. For example, the sticks used to form the word **RECIPE**, shown at right, can also form **PRICKLY**, **DIESEL**, or a word on the cover of this issue. How quickly can you figure out that word?

Answer Drawer, page 71

—J.A.



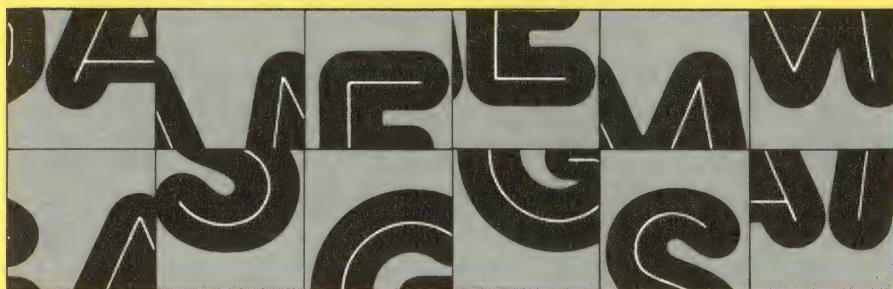
KITES TO MAKE AND FLY by David Pelham (Penguin, 1982, 50 pages, \$14.95 large paperback).

The trouble with this book is that when you've finished it, you don't have a book anymore. What you do have are ten brightly colored paperfolded kites that you can fly.

Actually, you will still have the first six pages of the book, which give general instructions and comments on flying locations, lift, and stability. But the bulk of the book is meant to be



THE GIFT SOLUTION...



GIVE

GAMES

Each 12 issue gift subscription only **\$14.97.**

Please bill me:

UASAØ

Name _____

Address _____

City _____ State _____ Zip _____

☐ Also enter or extend my own subscription at this rate.

Send Gift to:

Name _____

Address _____

City _____ State _____ Zip _____

Send Gift to:

Name _____

Address _____

City _____ State _____ Zip _____

List additional gifts on separate sheet and enclose.

☐ Payment enclosed
☐ Bill me later

Charge to

☐ Visa ☐ MasterCard

Account # _____

Expiration Date: _____

Signature _____

Please allow 4-8 weeks for delivery of first issue.
For foreign and Canadian orders add \$2.00 per subscription.

...if he's spent his entire life in arcades, makes the lessons go down easy. Ku- video systems and about two dozen Hirschfeld book succinctly covers the but because it was released earlier than some of the newer games.

...ce, these books will let you walk up to g what to expect—which is, after all, ut don't plan to initial your high scores e books provides the kind of in-depth two titles devoted entirely to Pac-Man.

...f these is **Mastering Pac-Man**, by Uston. Uston, who owns his own ar- ers playing tips and detailed diagrams ement patterns that will enable you to ither the "fast" or the now rare "slow" s work, and the publisher's claim that g, tripling, and even quadrupling" their n understatement—if readers are willing ston also provides patterns to be used ac-Man. **How to Win at Pac-Man** gives fferent from Uston's, but they work well n expert. The book contains neither the g the first board of the "slow" game s for the Coleco version.

...y the beginning. With many similar proj- eller lists may soon contain only books s Cube, and cats. —C.S./J.A./R.W.S.

...o Ent.,
Beach,
2 post-
ulpture
s hard-
sorbing
when
es into



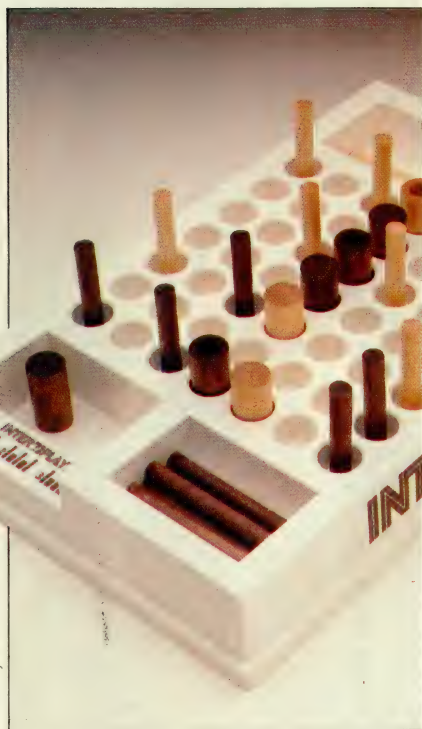
The Balancing Act (Reiss, \$6) is a magnetic base and ten metal acrobats that can be balanced in endless ways. A steady hand is helpful for this tessellating toy.



Pyraminx (Tomy, \$12) has the feel and fascination of a cube puzzle. But with only four sides instead of six, you can probably solve it without buying a book.



GAMES & BOOKS



Photos by Stan Felleman

RUNES (Eon Products, around \$10).

By combining various numbers of the right, you can form every letter in the alphabet. This is the very clever basis of Runes, the most ingenious game we've seen in years.

Actually, Runes includes the rules for all of them ideal for family play because of handicaps. One game is deductive, like a word search (you secretly choose a word of predetermined letters), and then attempts to guess the word by placing the shaped pieces—"runesticks" in the spaces on the opponents' boards. One piece guessed is needed to form that letter. If a word, the player earns a point and another player's turn is ended. The winner is the player who first correctly guesses an opponent's word.

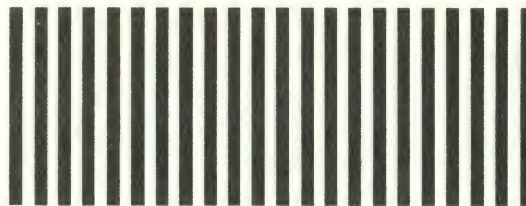
Another game is a race in which the player forms a three- or four-letter word, then mix up the sticks and challenges an opponent. The first player to form the same length using all of those sticks is the winner.

In the third game, players choose a word and form it with runesticks, and then try to form other words with the same sticks. This game also makes an excellent solitaire puzzle. For example, the sticks used to form the word **RECIPE**, shown at right, can also form **PRICKLY**, **DIESEL**, or a word on the cover of this issue. How quickly can you figure out that word?

Answer Drawer, page 71

—J.A.

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



BUSINESS REPLY CARD

FIRST CLASS PERMIT NO. 6484 DES MOINES, IOWA

POSTAGE WILL BE PAID BY ADDRESSEE

GAMES

P.O. Box 10147

Des Moines, Iowa 50347

DIESEL

KITES TO MAKE AND FLY by David Pelham (Penguin, 1982, 50 pages, \$14.95 large paperback).

The trouble with this book is that when you've finished it, you don't have a book anymore. What you do have are ten brightly colored paperfolded kites that you can fly.

Actually, you will still have the first six pages of the book, which give general instructions and comments on flying locations, lift, and stability. But the bulk of the book is meant to be cut apart, folded together, occasionally glued, and then ultimately flown. You will need a few extra things too, like matchsticks, thread, and pins, but nothing fancier.

Skyskid, the first kite in the book (shown at right) was assembled for this photograph in less than ten minutes. Some are more intricate to build, but none are difficult to fly.—P.M.W.



How to Beat the Video Games by Michael Blanchet (Fireside Books, 1982, 128 pages, \$3.95); **How to Master the Video Games** by Tom Hirschfeld (Bantam Books, 1981, 177 pages, \$2.95); **The Winner's Book of Video Games** by Craig Kubey (Warner Books, 1982, 288 pages, \$5.95); **Mastering Pac-Man** by Ken Uston (Signet, 1981, 128 pages, \$1.95); **How to Win at Pac-Man** by the Editors of Consumer Guide (Pocket Books, 1982, 32 pages, \$2.25); all paperback.

The first phalanx of video books has begun, predictably, to invade bookstore shelves. Some players we talked to feel that studying a book takes the fun and discovery out of playing; others hold that the whole point of playing is to get the most mileage out of a quarter, and they welcome practical advice.

Three of the books—**How to Beat the Video Games**, **How to Master the Video Games**, and **The Winner's Book of Video Games**—are general guides to the arcade world. Each explains the play and strategies of a number of popular games well enough so that you'll no longer have to learn how to play Centipede or Defender by looking over some 10-year-old's shoulder, or worse, by spending your hard-earned quarters.

Both the Blanchet and Kubey books offer comprehensive tips on established favorites like Asteroids, Berzerk, and Pac-Man, but they're weak when discussing newer hits such as Donkey Kong, Tempest, and Qix. In addition to its useful illustrations, Blanchet's book offers valuable advice on how to find a machine in good working order and how to overcome problems like static overload. Kubey's book has almost no dia-

grams, but he sounds as if he's spent his entire life in arcades, and his humorous style makes the lessons go down easy. Kubey also reviews home video systems and about two dozen popular cartridges. The Hirschfeld book succinctly covers the most coin-op games, but because it was released earlier than the other books, it omits some of the newer games.

Even if you're a novice, these books will let you walk up to most machines knowing what to expect—which is, after all, half the space-battle. But don't plan to initial your high scores right away: None of the books provides the kind of in-depth strategies found in the two titles devoted entirely to Pac-Man. The more rigorous of these is **Mastering Pac-Man**, by blackjack authority Ken Uston. Uston, who owns his own arcade-size Pac-Man, offers playing tips and detailed diagrams of seven different movement patterns that will enable you to survive any board on either the "fast" or the now rare "slow" machines. The patterns work, and the publisher's claim that readers will be "doubling, tripling, and even quadrupling" their scores is, if anything, an understatement—if readers are willing to put in some work. Uston also provides patterns to be used on Coleco's portable Pac-Man. **How to Win at Pac-Man** gives only four patterns, all different from Uston's, but they work well enough to make you an expert. The book contains neither the pattern needed to navigate the first board of the "slow" game nor the special patterns for the Coleco version.

These books are only the beginning. With many similar projects on the way, best-seller lists may soon contain only books on video games, Rubik's Cube, and cats. —C.S./J.A./R.W.S.

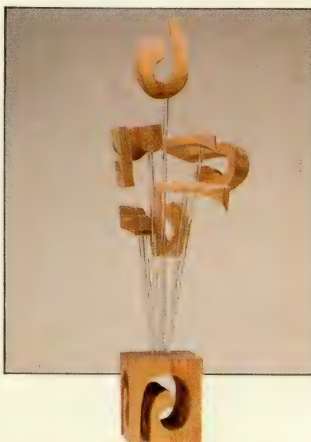
ETCETERA

Mercury Maze (from Sointu, 20 E. 69th St., New York, NY 10021; \$15 plus \$1.50 postage) is a maze of only medium difficulty, but the task of coaxing a fluid "ball" of mercury through the winding paths is very hard indeed.



Pyraminx (Tomy, \$12) has the feel and fascination of a cube puzzle. But with only four sides instead of six, you can probably solve it without buying a book.

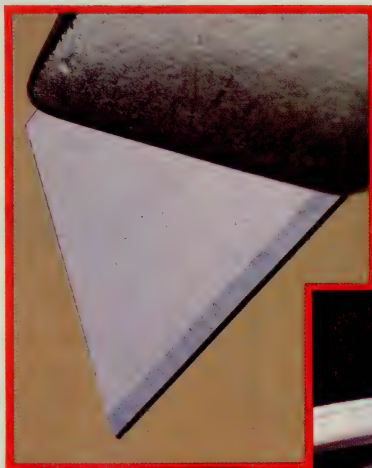
Grandpa's Puzzle (Neico Ent., 555 Pier Ave., Hermosa Beach, CA 90254; \$11.95 plus \$2 postage) makes a free-form sculpture when you set it up on its hardwood base, or an absorbing three-dimensional puzzle when you try to fit the seven pieces into the base to form a cube.



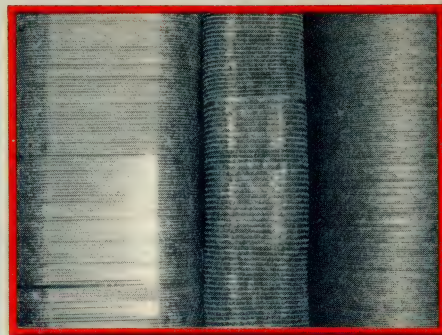
The Balancing Act (Reiss, \$6) is a magnetic base and ten metal acrobats that can be balanced in endless ways. A steady hand is helpful for this tessellating toy.

E Y E B A L L B E N D E R S

WHAT ARE THESE OBJECTS?
SEE THE ANSWER DRAWER ON PAGE 70.



1. Make a stab at it



2. Supplies a mess



3. Sound investment



4. For sale



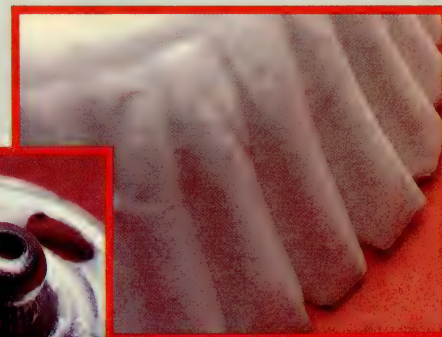
5. Closet case



6. Choose this



7. Fastenation



8. Groundskeeper

A speaker that gives more space than it takes.

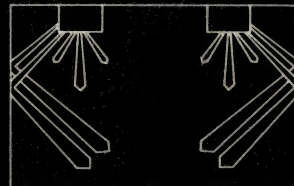
The Bose® 301™ Direct/Reflecting® Loudspeaker.

Some people think a small speaker is good if it sounds like a big speaker. The problem is that all conventional speakers, large and small, sound like *speakers*. Confined. Boxlike.

The Bose 301 doesn't sound like a speaker. Music seems to form in the space

around the cabinet, with startling depth and clarity unlike anything you have ever heard from a bookshelf loudspeaker. That's because the 301 system *reflects* sound off the walls of your listening room, just as music is reflected at a live performance.

The Bose 301 system is the least expensive way for you to enjoy the legendary spaciousness of our 901® Direct/Reflecting® speaker. Experience it at your authorized Bose dealer.



The tweeters in a 301 speaker pair are angled for a more lifelike balance of reflected and direct sound.



Covered by patent rights issued and/or pending.

© Copyright 1980 by Bose Corp.

Write Bose Corp., Dept. G, The Mountain, Framingham, Massachusetts 01701.

BOSE®
Better sound through research.

Give your mind
some fresh air
and exercise.



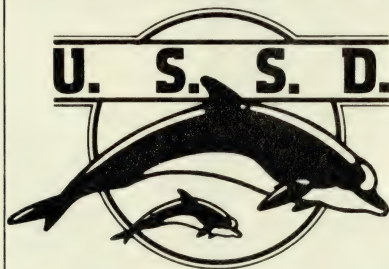
Only ATARI® could combine so much learning with so much fun. ATARI professionals have designed a comprehensive computer curriculum offering practical, state-of-the-art theory and hands-on experience for beginner to advanced levels. Experienced camp directors have been selected to coordinate a full program of sports, recreation and social activities. Young people 10-18 can attend two 4-week sessions in July and August at four camp locations in Pennsylvania, North Carolina, Wisconsin and southern California. Space is limited, so register now. For a full color brochure and application, write Department BE, 40 East 34th Street, New York, NY 10016. (Please include your phone number.) Staff applicants should apply in writing.

Call toll-free 800-847-4180 (N.Y. State and Canada call collect 212-889-5200).

© A Warner Communications Company

ATARI
COMPUTER CAMPS
The camp experience that lasts the rest of your life.

JOIN THE ONE SCHOOL THAT'LL
GIVE YOU A "PORPOISE" IN LIFE



For ages, the dolphin has been known as "man's aquatic cousin." Now you can become a certified expert on this intelligent, fascinating mammal. Our home correspondence course not only provides in-depth study of one of the world's great species, but it teaches you to speak conversational Dolphinese like a native. Practice with our series of cassettes (prepared by U.S. Navy marine biologists), and you'll master the whistle, click, and creaking language of *Delphinus delphis* and *Tursiops truncatus* as easily as French or Spanish—and without immersion or echolocation! If you're not satisfied after 6 months, we'll give you a full cash refund.

Get your feet wet: enroll now and receive a free English-Dolphin dictionary. And swimming pool owners, take advantage of our human-dolphin student exchange program.

U.S. SCHOOL OF DOLPHINS
40° 20' N, 60° 50' W, Atlantic Ocean.

CONTEST RESULTS



Michael Christopher with his "winner takes all" prize in Flying Games Contest.

Photo by John Oldenkamp

Flying Games

from November/December 1981

The 52 game pieces defying gravity on our November/December cover also defied all popularity records for a *Games* contest. We received over 152,000 entries, more than three and a half times as many as in any previous contest. Well over half of them correctly identified the 52 games to which the pieces belonged; the most frequent error was to mistake the clear purple Pente piece (item number 8) for an Oh-Wah-Ree stone.

The winner, chosen by random drawing, is Michael Christopher of San Diego, CA. He is pictured above, along with the grand prize—all 52 games he identified.

Ten runner-up prizes of a game from our grab bag go to: Alisa Bedell of Centerville, UT; Linda Bingham of Perry, AR; Mark Boyd of Whiteman A.F.B., MO; Julie and Amy Demarco of Genese, Belgium; Peter Goldstein of Huntington, NY; Rita Madrigal of Loudonville, NY; Hardy Meinke of Orange, CA; Lauralyn D. Siordia of Garden Grove, CA; Michael J. Sullivan of Baltimore, MD; and Robert M. Tiette of Milford, MI. And our special thanks to Buddy Compton and CMC Inc. of Ellijay, GA, who submitted an entry in the form of an en-

graved plaque bearing our logo (but which, unfortunately, contained one error in the game list) —R.W.S.

The winning entry

- | | |
|------------------|---------------------|
| 1. IMPUZZABLES | 28. SHUFFLE SHOT |
| 2. TRIPPPLES | 29. SCRABBLE BRAND |
| 3. QUIRKS | CROSSWORD |
| 4. FEUDAL | 30. RISK |
| 5. KANGAROO | 31. WAR OF THE RING |
| 6. NUCLEAR WAR | 32. GRASS |
| 7. FORE-PAR | 33. RUBIK'S CUBE |
| TABLE GOLF | 34. DIPLOMACY |
| 8. PENTE | 35. SUDDEN DEATH |
| 9. JUNTA | 36. MASTER MIND |
| 10. WORD RUMMY | 37. INNER CIRCLE |
| 11. SHOGI | 38. TWIXT |
| 12. BLACK BOX | 39. COSMIC |
| 13. LEVERAGE | ENCOUNTER |
| 14. CLUE | 40. TOTAL CONTROL 4 |
| 15. MILLE BORNES | 41. NO JIVE YO-YO |
| 16. BRIDGE | 42. IMPERIUM |
| CHALLENGER | 43. 4000 A.D. |
| 17. THE GENERALS | 44. QUINTESSENCE |
| 18. KINGMAKER | 45. CONQUEST |
| 19. ACQUIRE | 46. WATERWORKS |
| 20. COMPULSION | 47. QUINTILLIONS |
| 21. THE CREATURE | 48. REMOTE CONTROL |
| THAT ATE | VIDEO COMPUTER |
| SHEBOYGAN | SYSTEM* |
| 22. PASSING | 49. ELECTRONIC |
| THROUGH THE | DUNGEONS & |
| NETHERWORLD | DRAGONS |
| 23. MONOPOLY | 50. CAN'T STOP |
| 24. BIG BOGGLE | 51. CAPSELA, |
| 25. CAREERS | 700 SERIES |
| 26. DOMINIQUE | 52. SKYRO |
| 27. DARK TOWER | |

* Since Atari cancelled plans to produce this system, their existing VCS was substituted in the grand prize.

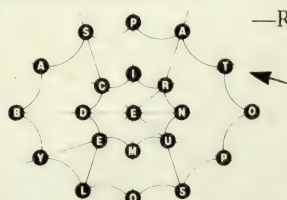
Spider Web

from January/February 1982

The challenge was to trace a path through the network of letters below, spelling out ten different words in succession. Letters and paths could be reused any number of times, and each word scored as many points as it contained letters. Of the more than 5,000 entries we received, nearly 400 tied with a high score of 87.

The winner, chosen by random drawing, is Fred Piscop of North Babylon, NY. He will receive the grand prize of \$100. Runner-up prizes of a *Games* T-shirt go to: Barbara Garvey of Ankeny, IA; Philip Inskeep of University Park, PA; John Knoderer of Florissant, MO; David D. Pattillo of Jacksonville, FL; and David J. Wolfberg of Concord, MA.

The word-path on the winning entry was not the only way to score 87 points. Alternative solutions used mostly the same words, but varied with such finds as BACABAS and DENOTATA.



—R.W.S.

The winning entry

Starting at the arrow: TARTARIC (8), ASPIRATA (8), TREMOLOSO (9), MOLYBDENUM (10), UNREELED (8), CASABAS (7), PIRIPIRI (8), REDEEMER (8), TRICERATOPS (11), UNREDEEMED (10), for a total score of 87.

Mental Jogging

from January/February 1982

This contest gave us a lot of problems—1,778 to be exact—but fortunately, as we requested, readers sent us five creative solutions for each of them. Entries from as far apart as Brooklyn and Bonaire (in the Netherlands Antilles) solved such dilemmas as: how to cover a rip in your pants (keep your back to the wall, or point skyward and shout "Look!"); how to dry yourself after a bath if all your towels are at the laundry (use a blow-dryer, or stand by a panting dog); and how to win a *Games* contest (submit 5,500 entries, or take private lessons from Kyle Corbin). The most ingenious group of solutions, which appear below, came from Sally Rabquer of Rossford, Ohio, and for her efforts she'll receive a "Pieces of Eight" sculpture by Roland

Gebhart. A copy of the book *Mental Jogging* will be sent to the runners-up. —L.F.

Can you guess the problems solved by each group of solutions? ★☆ Answer Drawer, page 70

Grand Prize Winner

1. Don't stand in front of an open window.
Move to Canada.
Drink only bottled beer.
Drop out of a college football team.
Make the final blueprints first.
—Sally Rabquer, Rossford, OH

Runners-Up

2. Don't speak to bureaucrats or civil servants.
Stay off ferris wheels.
Disprove Copernicus' theory of planetary motion.
Buy one-way tickets.
Send a donation to the "Flat Earth Society."
—Mary Anne Dorman, Baton Rouge, LA

3. Go up the hill with Jill.
Trip the Queen.
Negotiate with a British coin collector.
Step on a hat.
Beat the horse that won the Preakness and the Kentucky Derby.
—Arthur Vercelletto, Elmont, NY

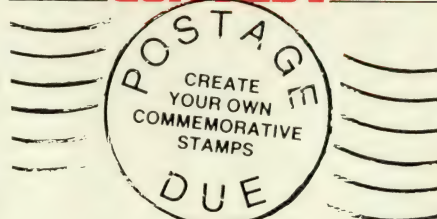
4. Sit on their left side when you play poker.
Hire Doug Henning for an 18-year stint.
Rig a hydraulic jack under the nanny's nursery.
Pump them full of helium.
Pick them up under the arms.
—R. Everdon, Plymouth, IN

5. Form a circle.
Remove all the books.
Stand back to back.
Find a second job.
Step over the scrimmage line.
—Rosalie Benson, Martinez, CA

6. (The following is a shortened version of the shaggiest shaggy-dog entry we've ever received. —Ed)
Sell your car to a neighbor for cash (renewing on the deal when you get home), and then call a limousine.
Light a small piece of paper in your kitchen and call the fire department; then hitch a ride with the firemen.
Hijack a school bus.
Call a tow truck to take you to a service station at a fictitious address; at a convenient stop sign, confess that you're lost and hop out.
Borrow ten bucks from your child's piggy bank and call a cab.
—Donald Becker, Ridgecrest, CA

Grand Prize
A framed rendering
of your entry
5 Runner-Up Prizes
A *Games* T-shirt

A GAMES CONTEST ★



Neither snow, nor rain, nor gloom of night may keep the post office from its appointed rounds, but there is one area in which we'd like to offer assistance—namely, the design of commemorative stamps. Why herald such mediocre achievements as "Professional Management" or the 100th anniversary of Fort Bliss, Texas, when commemorative stamps offer the opportunity to celebrate the truly unusual events that made America great?

Consider these possibilities: The 25th anniversary of the invention of the Frisbee; the 1977 New York City blackout (featuring an appropriately "browed-out" skyline); or an airmail special commemorating the speediest solution of Rubik's Cube. And looking ahead, we'd like to see a stamp celebrating the hundred billionth Whopper sold at Burger King. . . .

You can put in your 20(or 13 or 40)-cents worth by creating a commemorative stamp that honors any unusual or amusing or incredible-but-true aspect of American life or history.



How to Enter Send us your designs for original commemorative stamps. As always, cleverness counts more than artistic ability, but our judges (whose decision is final) look kindly on neat, legible entries. Each entry must appear on a separate piece of paper, with your name and address printed clearly on it.

Place your stamp designs in an envelope—not *on* one—and mail it to **Postage Due, Games Magazine, 515 Madison Avenue, NY, NY 10022. Entries must be received by June 1, 1982.**

Illustration by Doris Ettinger

Regular, 1 mg. "tar", 0.2 mg. nicotine
av. per cigarette, FTC Report Dec. '81.
Menthol, 1 mg. "tar", 0.2 mg. nicotine
av. per cigarette by FTC method.

© 1982 B & W T Co.



The pleasure is back.
BARCLAY

Warning: The Surgeon General Has Determined
That Cigarette Smoking Is Dangerous to Your Health.

☆☆ WILD CARDS ☆☆

Edited by Lisa Feder

Illustration by David Cain



For the Record

American Expressed

Would you take a ship destined for "The Haven"? Probably, if you knew that The Haven was Le Havre translated into English. Can you locate these other places?

1. Equator
2. White House
3. Rich Port
3. Good Air
4. The Peace
5. White Water

—Richard Marsh

Answer, page 66

Number Play

It All Adds Up

Can you find a way to make this equation correct?

$$\begin{array}{r} 2 + 30 + 11 - 13 \\ + 17 - 12 + 90 + \\ 18 - 19 - 71 = 80 \end{array}$$

—Wayne Williams

Answer, page 66

Word Play

Three at a Time

Glancing at the list of letters below, you may find yourself staring blankly. But don't fret: there's an easy way to fill in those wide empty spaces. Just find three consecutive letters of the alphabet that will complete each word—in our example, it's as easy as XYZ.

Example: O X Y Z E N I Z E

1. _ R A P _ _ C
2. S _ U I _ T _
3. _ A N _ L _
4. _ A C _ A _
5. P A _ _ _ L Y
6. A _ S _ O N _
7. _ _ R N O _ E R
8. _ _ A _ U E
9. _ _ _ A C K
10. _ I _ O _ E T E R
11. _ N _ I E _ E D
12. C _ R _ U N _ L E

—M.S.

Answer, page 66

No Kidding

Our Money's Worth

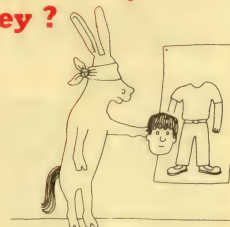
We all know how much—or how little—small change is worth these days. But can you arrange a penny, a nickel, a dime, and a quarter according to their metallic value (that is, how much the metals contained in the coins are actually worth)?

—Patrick Chu

Answer, page 66

Hall of Fame

They Kiss Horses, Don't They?



A horse is a horse, of course, of course . . . or so the song goes. But try telling that to the western stars of Hollywood's Golden Age and you'd be asking for trouble. The cowboys listed below would surely admit that they owe much of their fame to their equine sidekicks. Can you match each one to his noble mount?

- | | |
|---------------------|----------------|
| 1. Roy Rogers | a. Scout |
| 2. The Cisco Kid | b. Diablo |
| 3. Tonto | c. Champion |
| 4. Gene Autry | d. Topper |
| 5. Tom Mix | e. Trigger |
| 6. Tex Ritter | f. Silver |
| 7. The Lone Ranger | g. Tony |
| 8. Hopalong Cassidy | h. White Flash |

—Steve Rotterdam

Answer, page 66

Teasers

How Are You?

After a busy day, a muffler salesman might say he was "exhausted," but a bus driver might simply feel "fare." Can you figure out how each of these others would respond?

1. Judge
2. Landscaper
3. Tailor
4. Exterminator
5. Upholsterer
6. Dog Trainer

—Steve Sommer

Answer, page 66

Spot Illustrations by Tom Bloom

WORD-AHOLICS!

Get ready for Willard R. Espy's new word-puzzle addiction!

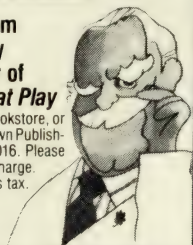
ESPYGRAMS

55 Anagram Verses from *Punch* Plus 25 More by Willard R. Espy, author of *An Almanac of Words at Play*

Paperbound \$3.95, now at your bookstore, or send check or money order to Crown Publishers, One Park Ave., N.Y., N.Y. 10016. Please add \$1.00 postage and handling charge. N.Y. and N.J. residents, add sales tax.



Clarkson N. Potter, Inc.



Everybody finds time for "Backgammon Times"



Send \$4 for a year's subscription to:

Backgammon Times
Department G
575 Madison Ave.
Suite 1006
New York, N. Y. 10022

Don't miss out on this new quarterly publication!

SAVE YOUR GAMES!



BRAND NEW!

Keep all your issues of GAMES looking good: choose handsome, durable **red file cases**, — or **binders**. Both styles hold 12 issues and display the GAMES logo in gold leaf. Order yours today!

FILE CASES: \$5.95 each/3 for \$17.00

BINDERS: \$7.50 each/3 for \$21.75

WE PAY THE POSTAGE!

Yes, send me _____ file cases or _____ binders. I enclose check or money order for \$_____.

Name _____

Address _____

City _____ State _____ Zip _____

Make check payable to: Jesse Jones Box Corp.

Mail to: Jesse Jones Box Corp.

Dept. GAMES P.O. Box 5120, Philadelphia, PA 19141

Satisfaction guaranteed or money refunded. Please allow 4-6 weeks for delivery.

Kibitzers

All in a Day's Work



You think you have troubles? Just read the note a luckless mason sent to his employer:

... When I got to the building, I found that the hurricane had knocked some bricks off the edge of the roof. So I rigged up a beam with a pulley at the top of the building and hoisted up a couple of barrels of bricks. After I fixed the roof, I had a lot of bricks left over, so I hoisted the barrel back up again, tied the line at the bottom, and went up and filled the barrel with the extra bricks. Then I came down and untied the line.

Unfortunately, the barrel of bricks was heavier than I was and before I knew what had happened the barrel started down, jerking me off the ground. I decided to hang on. Halfway up I met the loaded barrel, which

bounced off my shoulder as it passed me. I continued to the top, where I banged my head against the beam and got my fingers jammed in the pulley. When the barrel hit the ground it burst, spilling the bricks. I now outweighed the barrel and started down again at high speed.

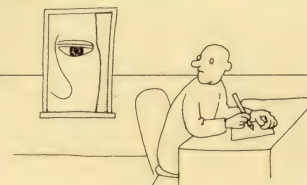
Halfway down I met the barrel coming up. It scraped my shins severely as it passed me this time. When I hit the ground I landed on the bricks, getting several cuts from their sharp edges. At this point I must have lost my head because I let go of the line. The barrel came crashing down, hitting me on the head and putting me in the hospital.

I respectfully request sick leave.

—from *An Almanac of Words at Play* (Clarkson N. Potter, Inc.). © 1980 by Willard Espy.

Look

Light Show



This sequence may look strange, but with a little effort, you'll be led to realize it's based on something you see very often. The first seven configurations are shown below; can you guess the next one in the series?



A



B



C



D



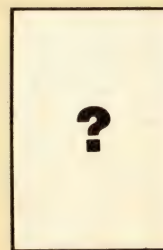
E



F



G



—Dan Lozano
Answer, page 67

For the Record

A Novel Identity Crisis



These are *not* 10 characters in search of an author. Each pair of names below consists of two first names. One is a character in the *title* of a well-known work of fiction; the other is the author of that work. Can you determine which one is which and name both the works and their authors?

1. Alice Lewis
2. Sophie William
3. Oscar Dorian
4. Marjorie Herman
5. Tom Harriett
6. John Daniel
7. Richard Jonathan
8. George Silas
9. Judith Emmeline
10. Stephen Carrie

—B.H.
Answer, page 67

Teasers

A Key Question

"Okay, there's a double space: Push the shift down and go ahead. I think the margin is wide enough . . . Wait a minute—too far! Better go back." What machine is being used here? (Hint: it has keys—and it's *not* a typewriter.)

—Steve Sommer
Answer, page 67

Private Games

Cinematic Countdown

Next time you have a few seconds to spare, try coming up with a list of titles (movies or books or songs, etc.) using the numbers one through ten at the beginning of each title. Movies are easy to start with: *One Flew Over the Cuckoo's Nest*, *Two Years Before the Mast*, . . . Can you complete this list?

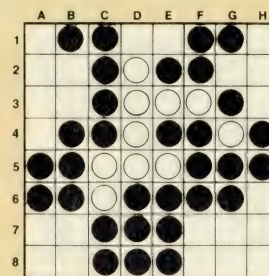
—Louis Phillips
Answer, page 67

Tough Nuts

Cornered!

In this position from a game of Othello, White is to play and take a corner in three moves. (Note: With correct play, White can occupy a corner in three moves or less no matter how Black responds.)

—from *Othello Quarterly*, © 1979 by U.S. Othello Association.



Answer, page 67

CONQUEST™

A pure strategy game set in medieval times. Players make 20 moves per turn combining land and sea maneuvers to outwit their opponents. Soldiers can ride elephants or chariots which in turn may board ships for amphibious attacks. Knights jump over the heads of other pieces. Absolutely no luck involved. Conquest is strictly a game of skill and cunning.

2-Player Conquest Game Set (52 pieces) \$16.50 postpaid
4-Player Conquest Game Set (104 pieces) \$32.00 postpaid

DISTRIBUTOR & DEALERS INQUIRIES INVITED
DONALD BERGE 1122 W. BURBANK BLVD. BURBANK, CA 91506

EVERYTHING YOU NEED TODAY TO UP YOUR VIDEO SCORES -AND WIN TOMORROW!

Pac-Man... Asteroids... Space Invaders... Defender... Galaxian... Tempest... Donkey Kong... Missile Command... Berzerk... Centipede... Craig Kubey decodes them all in the most complete video game book ever! Includes:

- Specific strategies for over 50 games, both home and arcade
- Hot tips from champs and game designers
- Game histories, quizzes, video humor, videomedicine
- A look at the games of the future

...and much, much more!

Read *The Winners' Book of Video Games* today and score big, play better, and win —tomorrow!

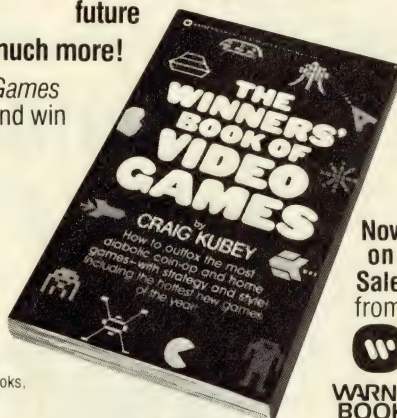
THE WINNERS' BOOK OF VIDEO GAMES

by Craig Kubey

A Quality Paperback

\$5.95 288 pages 5 1/4" x 8"

TO ORDER, send \$5.95 plus \$1.00 for shipping and handling to Dept. PAA (GM) 37-115-7 Warner Books, 75 Rockefeller Plaza, New York, NY 10019. Check or money order only. Allow 4-6 weeks for delivery.



Now
on
Sale
from
WARNER BOOKS

WILD CARD

American Expressed

- | | |
|----------------|-----------------|
| 1. Ecuador | 4. Buenos Aires |
| 2. Casablanca | 5. La Paz |
| 3. Puerto Rico | 6. Minnesota |

It All Adds Up

The solution will be EIGHTY if you write out each number and add and subtract letters, rebus-style. Add new words at the end of existing words, and subtract letters working from left to right with each new letter (which in some cases produces an anagram):

TWO
+THIRTY
TWOTHIRTY
+ELEVEN
TWOTHIRTYEVEN
-THIRTEEN
TWOYLVE
+SEVENTEEN
TWOYLVESEVENTEEN
-TWELVE
OYSEVENTEEN
+NINETY
OYSEVENTEENNINETY
+EIGHTEEN
OYSEVENTEENNINETYEIGHTEEN
-NINETEEN
OYSEVENTYEIGHTEEN
-SEVENTY-ONE
YIGHTE=EIGHTY

Three at a Time

- | | |
|------------|---------------|
| 1. Graphic | 7. Turnover |
| 2. Squirts | 8. Opaque |
| 3. Candle | 9. Hijack |
| 4. Jackal | 10. Kilometer |
| 5. Panoply | 11. Unviewed |
| 6. Abscond | 12. Carbuncle |

Our Money's Worth

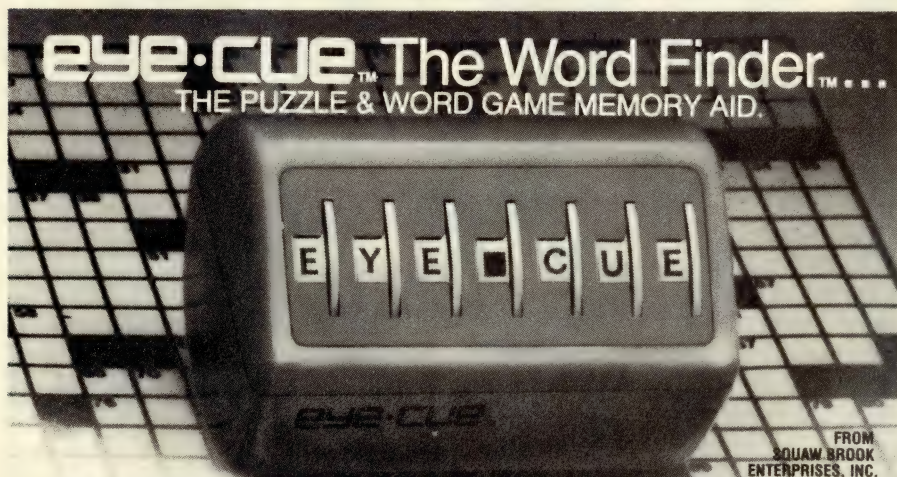
In descending order of the costs of metal and manufacture, according to the Bureau of the Mint, U.S. Treasury Department, a quarter is worth 2.4¢, a nickel 1.4¢, a penny and a dime each .6¢.

How Are You?

1. Fine (Judge)
2. Bushed (Landscaper)
3. Sew-Sew (Tailor)
4. Antsy (Exterminator)
5. Recovering (Upholsterer)
6. Pooped (Dog Trainer)

They Kiss Horses, Don't They?

1. e, Trigger (Roy Rogers)
2. b, Diablo (The Cisco Kid)
3. a, Scout (Tonto)
4. c, Champion (Gene Autry)
5. g, Tony (Tom Mix)
6. h, White Flash (Tex Ritter)
7. f, Silver (The Lone Ranger)
8. d, Topper (Hopalong Cassidy)



Say goodbye to words caught on "the tip of your tongue." Now, just a simple twist of our word wheel and the word you're looking for comes to life! When you see the letters start to come together, you'll remember the word.

A brand new product idea, EYE-CUE is NOT sold in stores. Only available through mail order. Great for crossword puzzle and word game enthusiasts; makes a wonderful gift.

Only \$5.95 each, including postage and handling. Two for \$10.00. Send for yours today!

Orders only, send to: Squaw Brook Enterprises, Inc. Box 1918, Marion, Ohio 43302

- ☐ Send one EYE-CUE™ Word Finder™ for \$5.95
☐ Send two or more * ☐ EYE-CUES at \$5.00 each * indicate quantity desired

Price includes postage and shipping: Allow 4 to 6 weeks for delivery. Limit 5 per order: Offer only in U.S.A.

Enclosed is \$_____ (check or money order only, please, payable to EYE-CUE)

New Jersey residents add 5% State Sales Tax

Name _____

Address _____

City _____ State _____ Zip _____

Orders subject to acceptance by Squaw Brook Enterprises, Inc. in New Jersey. 14 DAY RETURN PRIVILEGE.
 If you are not completely satisfied, you may return product within 14 days and obtain a full refund. For refund or other correspondence, write to: Squaw Brook Enterprises, Inc. Box 5116, Ridgewood, New Jersey 07451

DC27A-7

ANSWERS

Light Show

The next figure is a blank square. The sequence represents the unlit portions of an LED digital readout of the numbers 1 through 7, and since the number 8 uses all the LED elements, none would appear in the next box.

A Novel Identity Crisis

1. *Alice in Wonderland*, Lewis Carroll
2. *Sophie's Choice*, William Styron
3. *The Picture of Dorian Gray*, Oscar Wilde
4. *Marjorie Morningstar*, Herman Wouk
5. *Uncle Tom's Cabin*, Harriett Beecher Stowe
6. *Daniel Martin*, John Fowles
7. *Jonathan Livingston Seagull*, Richard Bach
8. *Silas Marner*, George Eliot
9. *Emmeline*, Judith Rossner
10. *Carrie*, Stephen King

Cornered!

White goes to e1, attacking corner h1; Black must defend with d1, to which White responds g2. This leaves Black with only two moves (h2 or h3), both of which turn over the disc at g2 and thus offer White corner h1 on his next move.

Othello® is a registered trademark of CBS Inc.

A Key Question

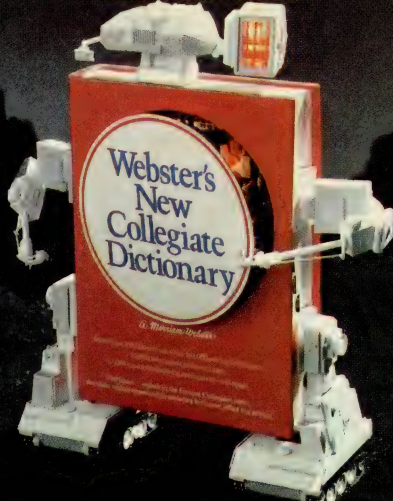
A car—and a passenger is helping a new driver to park it.

Cinematic Countdown

... *Three Women*, *Four Feathers*, *Five Easy Pieces*, *Six Bridges to Cross*, *Seven Brides for Seven Brothers*, *Eight Days in May*, *Nine Hours to Rama*, *Ten Days that Shook the World*. If you can come up with another such list for songs or books or plays, send it to us c/o Wild Cards.



an-droid



Webster's New Collegiate Dictionary. It's where the words live.

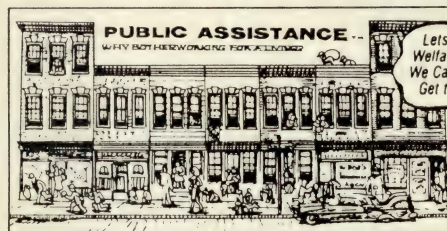
America's best-selling dictionary brings new life to words. And new words to life. Definitions for over 150,000 entries, including 22,000 new ones, are so clear and precise that "android" becomes a household word and "black hole" no longer scares you. We're constantly redefining "dictionary." An excellent gift for just \$13.95. Merriam-Webster® Dictionaries, Springfield, MA 01101.

FROM MERRIAM-WEBSTER®

© G. & C. MERRIAM 1982

A Game so Sensational they tried to Stop Its Sale in N.Y.

"PUBLIC ASSISTANCE"™ or WHY BOTHER WORKING FOR A LIVING?



It's the Hottest Game of the Year! Order Now!

One day, two small businessmen were trying to figure how to meet their payrolls; complaining about high taxes and other inequities in our system which seem to penalize the hard-working person and reward the able-bodied welfare recipients. It was so much fun, they created a game that spoofs the free hand-outs, welfare cheats and soft government jobs. The pitfalls for the "Public Assistance" player is not to land in jail but landing in "Working Person's Rut" where you get hit by big bills and IRS. The big payoff is the government "cake walk" where the only way you can lose your job is to become con-

science-stricken.

It's absolutely outrageous and you'll get some belly-laughs when you discover some of the wild things some people do to avoid going to work. After the game and its inventors were seen on the Today Show, they were swamped with calls. Articles were written in the Daily News, Time magazine, People magazine and many more. It created so much excitement and controversy you probably won't be able to get it at your local toy store. We have them and we're selling them for \$14.95 plus \$1.50 postage and handling.

ORDER NOW! MONEY BACK GUARANTEE!

Please send me _____
PUBLIC ASSISTANCE GAME(S)
Enclosed is check or
money order for \$ _____

Visa & MasterCard call
Day or Night
(301) 544-1242

HAMMERHEAD ENTERPRISES, INC.
P.O. BOX 1057, SEVERNA PARK, MD 21146

Name _____
Address _____
City _____ State _____ Zip _____

ANSWER DRAWER

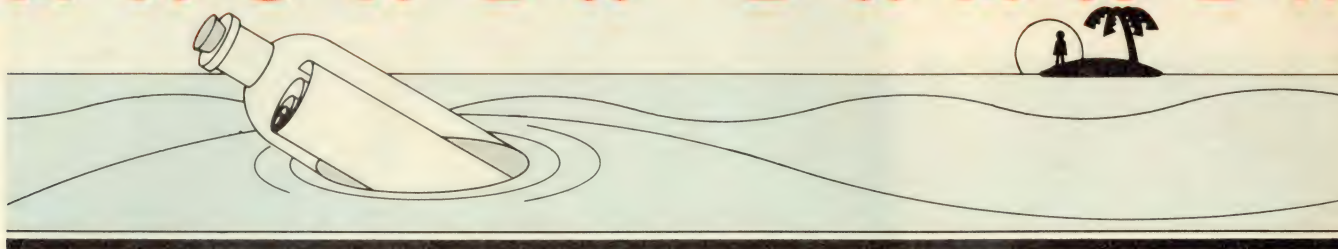


Illustration by Joe Lenola

4 Your Move

Letter S Football Mess

NFC East
1. Cowboys 2. Eagles 3. Redskins 4. Giants
5. Cardinals
NFC Central
1. Buccaneers 2. Bears 3. Vikings 4. Packers 5. Lions

NFC West

1. Rams 2. Saints 3. Falcons 4. 49'ers

AFC East

1. Dolphins 2. Patriots 3. Jets 4. Bills 5. Colts

AFC Central

1. Steelers 2. Oilers 3. Browns 4. Bengals

AFC West

1. Chargers 2. Broncos 3. Seahawks 4. Raiders
5. Chiefs

More Body Language

Departing, Exposing, Enclosing

Cribbage Solitaire

The following grid scores 168 points:

6	6	4	4	(24)
♠	♥	♦	♣	
4	4	6	6	(24)
♠	♥	♦	♣	
5	10	5	5	(28)
♠	♥	♦	♣	
J	10	10	Q	(17)
♠	♥	♦	♣	
(15)	(20)	(20)	(20)	

6 Letters

More Than Meets the Eye?

If you hold the magazine at eye level, parallel to the floor, and close one eye you can read this message: "Yours is too easy. I've been doing this for fifty years. An avid Games fan."

The Fin Man

Six times clearly.

20 Illusions and Delusions

1. B. Devised in 1860 by German astrophysicist Johann Zöllner.
2. A. Published in 1861 by German physiologist Ewald Hering.
3. C.
4. C.
5. C.
6. A.
7. B.

Did you notice that there are actually two different kinds of illusions in some sets of figures? One is the classic illusion you were asked to find; the other is its converse—a "delusion," if you will. That is, if the classic illusion has two lines of equal length that appear unequal, then the converse has two lines of unequal length that look equal.

For the record, the illusion appearing in the introduction was devised in 1889 by German psychiatrist Franz Müller-Lyer.

16 Logic

The Politician Puzzle

A common answer is, "50 honest and 50 crooked." Another is, "51 honest and 49 crooked." Both answers are wrong! We are given that at least one politician is honest; let's call him Frank. Now let's pick any one of the remaining 99 and call him John. By the puzzle's second condition, at least one of the two men—Frank or John—is crooked. Since Frank is not crooked, John must be; and since John represents any one of the remaining 99 men, each of them must be crooked too. So the answer is that one is honest and 99 are crooked.

The Lady or the Tiger

I. If sign A were true, then sign B would be true, which is impossible. Thus, sign A is false and the lady must be in Room B.

II. Both signs cannot be true, because we know that if Room D contains a lady then the sign is false. Thus, the signs are both false, and the lady is in Room D.

III. The lady cannot be in Room G and satisfy the condition that the sign on her room is true. If she were in Room F, then the tiger would be in Room E and Room G would be empty. However, this would mean that the sign on the tiger's door was true, which is not possible. Thus, the lady is in Room E, the tiger in Room F, and Room G is empty.

The Case of Karl and Martha

The assumption that Martha is a vampire leads to a contradiction. For if she is sane, then so must her brother be; while if she is insane, she must be telling the truth, and her brother must also be insane. Thus the vampire must be Karl. (Since Karl made a false statement and is a vampire, he is sane; and Martha is an insane human.)

The Island of Questioners

Ethan can't be of type A because, if he were, the question he asked would have to be answered "no." Since he is of type B, the correct answer to his question is "no," and he and Violet are not both type B. Thus, Violet is type A.

The Isle of Dreams

I. His belief was wrong since he could not be asleep and diurnal while having a correct belief. Further, he could only have a wrong belief in two cases: if he was asleep and diurnal, or awake and nocturnal. Since we have ruled out the first case, he must have been awake and nocturnal.

II. After a bit of reasoning, we can figure that they were either both nocturnal or both diurnal. Further reasoning will show that whichever they were, the husband must have been asleep at the time. Thus, Mrs. Kulp was awake.

Metapuzzle: The Case of John

If the second defendant had answered "yes," the judge could not have known which one was John; thus, he must have answered "no." Hence, both defendants lied or both told the truth. Since it is given that one of them always lies, they must both have lied, which means that the second defendant is John.

For more detailed answers, send a stamped, self-addressed envelope to "Lady or the Tiger," Games Magazine, 515 Madison Avenue, New York, NY 10022.

22 Fat Farm

Reading from left to right in three large segments, starting at the upper left, the 64 foods are:

Left

gingerbread house
traffic jam
submarine
buns (on billboard)
orange bowl (stadium)
hot-dog skiers
mousse (moose)
kidney-shaped pool
port (Harbor cruise billboard)
lemons (in used car lot)
spaghetti western
batter (baseball)
strawberry blonde

scalloped skirt
toast
limey
Napoleon
stout man
bass fiddle
ham actor
salt-and-pepper hair
goatee
codpiece
squash player
t-shirt
cheesecloth

Center

beefcake (poster)
cheesecake (poster)
pancake makeup
peppermint barber pole
egghead
corn rows (hairdo)
Olive Oyl
tart
fishnet stockings
porkpie hat

muttonchop sideburns
bowtie
herringbone jacket
sole of shoe
tongue of shoe
candy stripper
carrot-top
drumsticks
buttercups (flowers)
nuts (in wall)

Right

pie chart
Milky Way
Chile (chili)
onion domes
pinwheel
pigtales
Sugar Ray (Leonard)
tall person ducking
dough or bread (money)
cauliflower ear (boxer)

punch
Brownies
beanies
Blondie (vanilla
brownie)
Dagwood (sandwich)
Chief Justice Burger
rabbit (car)
Big Apple

40 The ADFGX Cipher

Clues

1. The second word is AGENT.
2. The fourth word is WITH.
3. The sixth word is BY.
4. The second letter of the first word is S.

30 Time Line Dates

- | | |
|----------------------|----------------------|
| A. OCTOBER 14, 1066 | N. JANUARY 24, 1848 |
| B. OCTOBER 12, 1492 | O. JULY 21, 1861 |
| C. SEPTEMBER 6, 1522 | P. NOVEMBER 19, 1863 |
| D. APRIL 23, 1564 | Q. FEBRUARY 15, 1898 |
| E. JULY 21, 1588 | R. MAY 7, 1915 |
| F. MAY 13, 1607 | S. AUGUST 26, 1920 |
| G. DECEMBER 21, 1620 | T. MAY 21, 1927 |
| H. JUNE 15, 1752 | U. OCTOBER 29, 1929 |
| I. MARCH 5, 1770 | V. DECEMBER 7, 1941 |
| J. APRIL 18, 1775 | W. JUNE 6, 1944 |
| K. JULY 4, 1776 | X. OCTOBER 4, 1957 |
| L. JULY 14, 1789 | Y. JULY 20, 1969 |
| M. DECEMBER 23, 1814 | Z. APRIL 12, 1981 |

ACTIVISION®
PRESENTS

BARNSTORMING™

CHILLS!

THRILLS!

Flying out of the heavens and into your heart, comes Barnstorming™ by Activision®. A new video game of action and adventure you play on your Atari® Video Computer System™.

Zoom your vintage biplane through barns and over windmills. Marvel as you defy both gravity and geese. Try aerobatics so thrilling your ears will pop!

Prepare for takeoff with Barnstorming by Activision. It's seat of the pants aviation so real, you'll actually believe a video game can fly.

ACTIVISION
PRESENTS
BARNSTORMING™
VIDEO GAME CARTRIDGE



FOR USE WITH THE
ATARI® VIDEO COMPUTER SYSTEM™

ACTIVISION®
WE PUT YOU IN THE GAME.

1
1:05.43

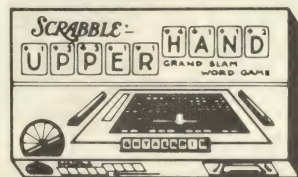


WIN UP TO \$5 MILLION

Play New York's exciting Lotto game, by mail.
For details write to: New York's Lottery,
Dept. GAME - Lotto, P.O. Box 1977,
Albany, N.Y. 12201

ROY SAYS

BEST NEW GAME FOR 1982



\$14⁰⁰
plus
\$2⁰⁰

for shipping.
Send check
or money
order.

SCRABBLE® Upper Hand™
BRAND Grand Slam
Word Game

The excitement of bridge, plus the
challenge of Scrabble® in one great game.

JUST GAMES

133 Meadbrook Rd., Garden City, N.Y. 11530
Write for catalogue. Dealer inquiries welcome.

Video Game Cartridges At Wholesale Prices

ATARI		ACTIVISION	
Home Run	\$9.95 <input type="checkbox"/>	Stampede	\$17.50 <input type="checkbox"/>
Football	\$9.95 <input type="checkbox"/>	Laser Blast	\$17.50 <input type="checkbox"/>
Air Sea Battle	\$17.50 <input type="checkbox"/>	Freeway	\$17.50 <input type="checkbox"/>
Video Olympics	\$17.50 <input type="checkbox"/>	Kaboom	\$17.50 <input type="checkbox"/>
Haunted House	\$19.95 <input type="checkbox"/>	Ice Hockey	\$24.50 <input type="checkbox"/>
Maze Craze	\$19.95 <input type="checkbox"/>	Barnstorming	\$24.50 <input type="checkbox"/>
War Lords	\$24.50 <input type="checkbox"/>		
Super Breakout	\$24.50 <input type="checkbox"/>	IMAGIC	
Video Pinball	\$24.50 <input type="checkbox"/>	Trick Shot	\$17.50 <input type="checkbox"/>
Space Invaders	\$24.50 <input type="checkbox"/>	Demon Attack	\$24.50 <input type="checkbox"/>
Asteroids	\$29.95 <input type="checkbox"/>	Star Voyager	\$24.50 <input type="checkbox"/>
U.S. GAMES		APOLLO	
Hide and Seek	\$17.50 <input type="checkbox"/>	Sneak Shoot	\$17.50 <input type="checkbox"/>
Space Jockey	\$17.50 <input type="checkbox"/>	Space Chase	\$24.50 <input type="checkbox"/>

Pac-man is in Stock At Only \$29.95 ☐

All Above Cartridges Are Designed For Use
With The ATARI and SEARS Video Game Systems

Bally & Mattel
also available

- ☐ CHECK
☐ MONEY ORDER
☐ VISA
☐ MASTER CHARGE

☐ Enclosed Is 25¢ For Our Complete Catalog
(Included FREE With Every Order)

ACCOUNT NO. _____

DATE EXPIRES _____

SIGNATURE _____

NAME _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

Mail to: COMP-U-GAMES
P.O. Box 7105, Hicksville, New York 11801
Only 3 weeks delivery

29 Clip Joints

1. Give up the *ghost*; *ghost* story
2. Long arm of the *law*; *law* abiding citizen
3. Right as *rain*; *rain* cats and dogs
4. Pop *fly*; *fly* in the ointment
5. Now or *never*; *never* the twain shall meet
6. Be my *guest*; *guest* speaker
7. Ride a high *horse*; *horse* laugh
8. Land of *opportunity*; *opportunity* knocks
9. Lip *service*; *service* with a smile
10. Aim to *please*; *please* be seated
11. No money *down*; *down* in front
12. One for the *road*; *road* hog

25 Breakfast Special

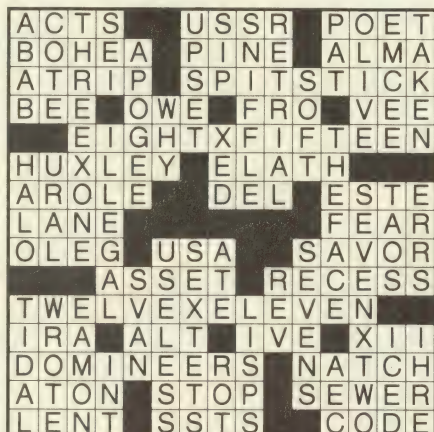
- | | | | | | |
|------|------|------|------|-------|-------|
| 1. E | 3. F | 5. B | 7. I | 9. D | 11. C |
| 2. A | 4. L | 6. G | 8. H | 10. J | 12. K |

54 Star Crossed Name List

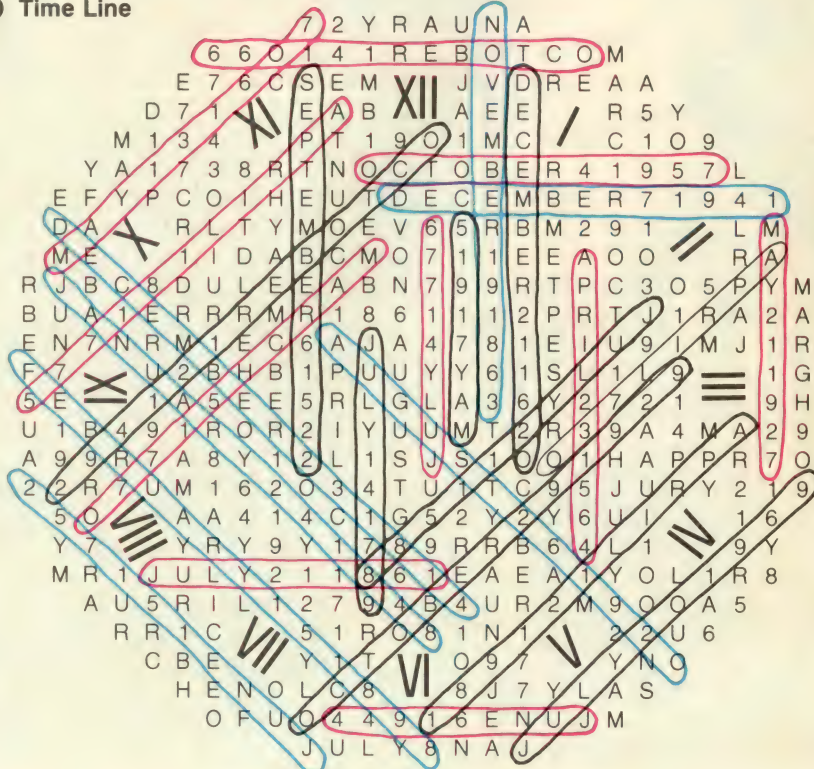
Diane Keaton
Sally Field
Sissy Spacek
Robert Redford

Robert De Niro
Dustin Hoffman
Jon Voight
Meryl Streep

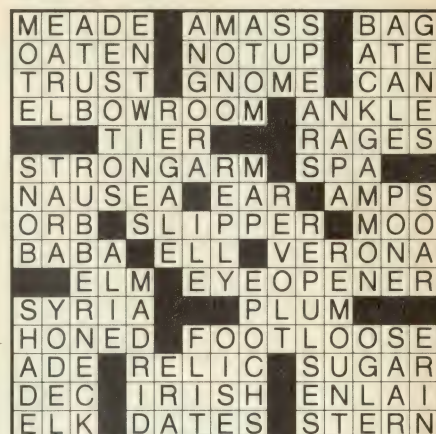
31 Mathematrixks



30 Time Line



29 Body English



60 Mental Jogging

1. How would you avoid the draft?
2. How would you avoid going around in circles?
3. How would you break a crown?
4. How would you raise kids?
5. How would you make ends meet?
6. How would you get to work if your car broke down?

If you're interested in another lap or two of Mental Jogging, send a self-addressed stamped envelope to Dr. Reid Daitzman (1425 Bedford Street, 1A, Stamford, CT 06905), who is seeking contributors for *More Mental Jogging*. He will send you twenty problems to solve and return, and if your solutions are selected for inclusion in his new book, you will be listed as a contributor and will receive a complimentary copy.

58 Eyeball Benders

- | | |
|----------------------------|------------------|
| 1. Utility knife | 5. Wire hanger |
| 2. Aluminum tins | 6. Gum |
| 3. Headphone | 7. Snaps |
| 4. Ship's mast and rigging | 8. Coffee filter |

Photos 2, 3 by Jack Abrahams. Other photos by Suely Sinto.

41 Cryptic Warm-Up Puzzle

ACROSS

1. FLOAT. The word FLOAT, which means "move aloft," is also the result of rearranging ("moving") the letters of ALOFT.
4. AISLE. By "hearing" the word I'LL, or taking its homophone, you get the word AISLE, defined as "passage."
5. KINGS. The word KINGS ("monarchs") is hidden in the phrase "hiKING Shoes."

DOWN

1. FRANK. The word FRANK in two different senses means "open" and "hot dog."
2. ORSON. The word OR, plus the word SON ("male progeny"), gives the answer ORSON ("Actor Welles").
3. TRESS. "All but the top" (i.e., all but the first letter) of the word STRESS ("accent") produces the answer TRESS ("lock of hair").

41 Cryptic Crossword

ACROSS

1. Idiot (I do it, & lit.)
4. Informant (in + form + ant)
9. Chapels (chap + els)
10. Big shot (hogs bit)
11. Treasurer (rate + surer)
12. Their (the + I + r)
13. Contemplation (on mental topic, & lit.)
16. Caricaturists (a circus artist)
20. Tramp (tram + p)
21. Stratagem (tart's + a + gem)
23. Twirler (writer + l)
24. Denmark (den + mark)
25. Constable (con + stable)
26. Cater (crate)

DOWN

1. Incite (in sight)
2. Image (I + e.g. + am, & lit.)
3. Treason (t + reason)
4. Insurgent (unresting)
5. Fiber (be + fir)
6. Regatta (at great)
7. Athletics (lithe acts, & lit.)
8. Tutoring (Tut + O + ring)
13. Carnation (car + nation)
14. Partridge (part + ridge)
15. Ecstatic (sect + a + tic)
17. Copilot (co. + plot + l)
18. Satanic (in a cast)
19. Smoker (Morse K)
21. Shrub (brush, & lit.)
22. Grant (two meanings)

56 Games and Books

Runes

The sticks can also form the word GAMES.

GAMES

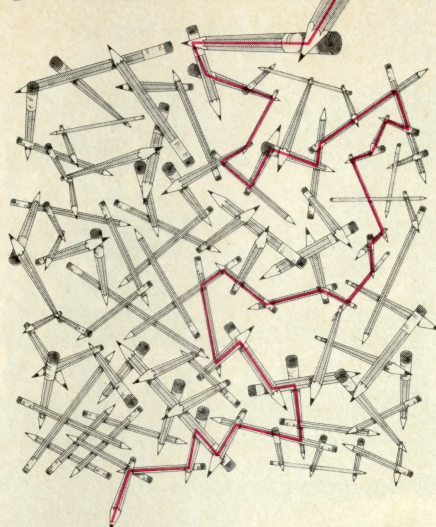
Fake Advertisement

The "Fake Ad" announced in the Table of Contents was for the U.S. School of Dolphins which appeared on page 60.

43 Help Wanted

H	E	L	P	M
E	P	M	L	H
M	L	E	H	P
L	H	P	M	E
P	M	H	E	L

27 To the Point



28 New Equation Analysis Test

1. 36 = Inches in a Yard
2. 6 = Wives of Henry the Eighth
3. 212 = Degrees at which Water Boils
4. 3 = Points for a Field Goal in Football
5. 20 = Years that Rip Van Winkle Slept
6. 101 = Dalmatians
7. 60 = Seconds in a Minute
8. 7 = Hills of Rome
9. 56 = Signers of the Declaration of Independence
10. 5 = Fingers on the Hand
11. 40 = Thieves (with Ali Baba)
12. 30 = Days Hath September, April, June, and November
13. 1 = Day at a Time
14. 10 = Amendments in the Bill of Rights
15. 435 = Members of the House of Representatives
16. 16 = Ounces in a Pound
17. 31 = Ice Cream Flavors at Baskin-Robbins
18. 50 = Cents in a Half Dollar
19. 2 = Turtle Doves (and a Partridge in a Pear Tree)
20. 4 = Horsemen of the Apocalypse
21. 13 = Cards in a Suit
22. 8 = Parts of Speech in the English Language
23. 20,000 = Leagues Under the Sea
24. 9 = Innings in a Baseball Game

42 Double Cross

- | | |
|----------------|------------------|
| A. APPEASEMENT | L. LIGHT-HEADED |
| B. DIMAGGIO | M. YESTERYEAR |
| C. AUTHORIZE | N. FARFETCHED |
| D. MERE | O. ODDS AND ENDS |
| E. SEAWAY | P. RECOMMEND |
| F. SKEWBACK | Q. LICKETY-SPLIT |
| G. TWEETER | R. AFFIRMATION |
| H. REFEREE | S. UNHEALTHY |
| I. IRRIGATION | T. GRIMACED |
| J. COXSWAIN | U. HOW-TO BOOK |
| K. TERRIFIED | V. SHOWROOM |

I asked former boxer Rocky Graziano why he decided to retire from the ring. He said, "I looked in the mirror after that last fight and saw my messed-up face. It was a wreck. I decided there must be an easier way to meet congenial people of my own age."—(Joey) Adams, *Strictly for Laughs*

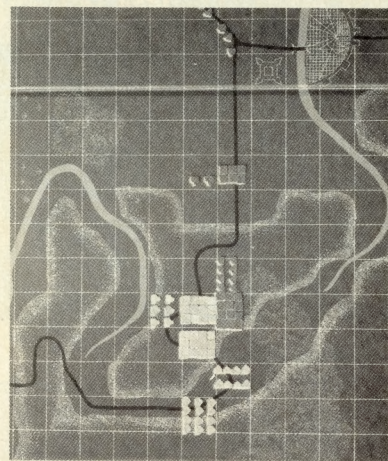
31 Boxcars

Your order of answers may vary.

- | | | |
|-----------|------------|------------|
| 1. ASPIRE | 6. CURFEW | 11. OFFICE |
| 2. BARBED | 7. FORMAT | 12. REDONE |
| 3. BETRAY | 8. GOBLET | 13. SEXTON |
| 4. BOWLED | 9. IMPACT | 14. SUNKEN |
| 5. CANDID | 10. NOTION | 15. WITHER |

DICKENS & GREENWOOD'S
NAPOLEONIC GAME:

Volley & Thunder



IF YOU'D LIKE TO MOVE
UP FROM DICE WARGAMES,
BUT CAN'T FACE A FORTY
PAGE RULE-BOOK,
DICKENS & GREENWOOD
GAMES ARE FOR YOU

- Our games are historically based without tedious restrictive simulations.
- Our pieces have different shapes for different functions for easier visibility and faster, more exciting play.
- Interchangeable pieces allows you to design your own game situations.
- And there are never any dice or chance outcomes.

Write to:

DICKENS & GREENWOOD
BOX 620
BEDFORD, N.Y. 10506
for a retailer near you.

11 Gamebits

Love Is Just a Kiss Away

From top to bottom, the lip prints belong to: Rita Moreno, Carrie Fisher, Dick Clark, Charlene Tilton, James Galway, Erik Estrada, and Debbie Harry.

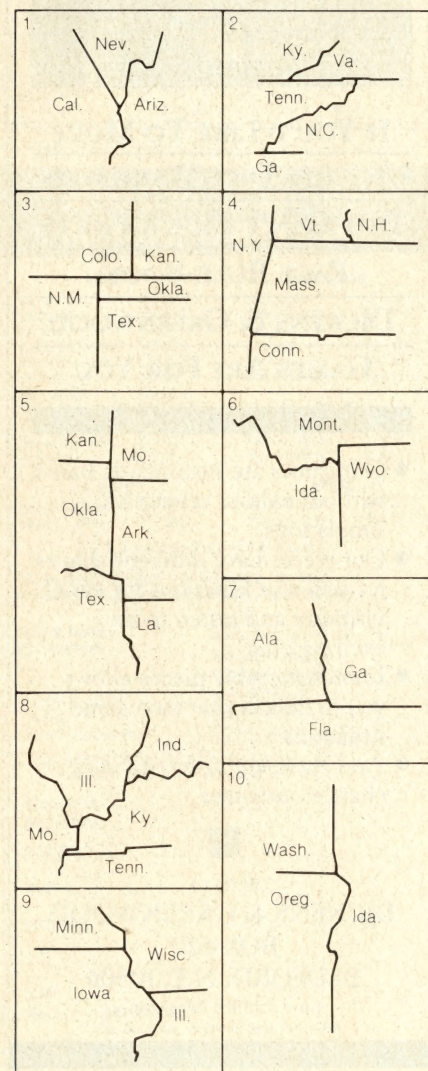
43 Safe Cracker

The five words are: mogul, rivet, sumac, felon, and nadir.

44 Featuring the Odd Letters

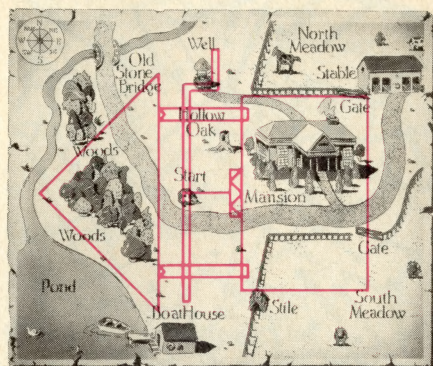
JAMESFIXX EPOS JOB CCCP
EQUATORIAL SENT OH ZORRO
TURPENTINE TREEBEAR ALIEN
AMONG DATELINE REPRIEVE
CRUET SAYSOVER LEASE SIS
AIR MAHATMA BIDS STOWE
MAIL ALEX ANALYZE POWOWS
ENNOBLEMENT LICENSE INLET
OSGOODS SHOCKER IMNOT FRY
SNITS SERENA CANUCK
TOBE VALE SENECA ERHARDS
OVEN EXERT WEEKSPAY EMERY
NEGEV ELEC YARD SEGAR
GRADE OPERAHAT POILU HIFI
ATTUNED PREFAB PEEN ASTA
PARIAH CLARAS TATUM
IAM CRONE LEVERET DILEMMA
SCALA UNAMUNO BARBERCHAIR
ARRIVES ROBERTO EINE ADDA
OCTAD BENS SPANKED RDG
ABO AGORA SQUIRTED HAILE
ZAPCOMIX CILANTRO ROLLE
OTOES SENORITA ANSWERLESS
VILLA TRY ADAM UNREASONED
COTS SSE SERI JIMMYFOXX

34 Border Patrol



18 Where Is Grandpa Gilroy's Money?

The money is located in the well, as a rendering of the path on paper suggests:



49 American Averages

- | | | | |
|------|-------|-------|-------|
| 1. C | 6. B | 11. D | 16. A |
| 2. C | 7. B | 12. C | 17. B |
| 3. D | 8. C | 13. D | 18. D |
| 4. C | 9. A | 14. D | 19. D |
| 5. D | 10. C | 15. B | 20. D |

54 Star Crossed

The faces are composed of the following actors and actresses (top to bottom):

- | | |
|-------------------|-------------------|
| 1. Robert Redford | 5. Jon Voight |
| Robert De Niro | Meryl Streep |
| Diane Keaton | Robert Redford |
| 2. Sissy Spacek | 6. Sally Field |
| Dustin Hoffman | Diane Keaton |
| Meryl Streep | Robert De Niro |
| 3. Diane Keaton | 7. Meryl Streep |
| Sally Field | Jon Voight |
| Sissy Spacek | Sally Field |
| 4. Dustin Hoffman | 8. Robert De Niro |
| Robert Redford | Dustin Hoffman |
| Jon Voight | |

3 photos by Globe Photos 5 photos by UPI

Secret Message From March/April, page 31

HOWDAH ARABIA
ACROBAT SARONGS
THISCROSSWORDIS
HOSED PHILS YOW
TRESPASSES
JAWS PERT AKIM
ONA PARK SNIDE
NOTOUR HIDDEN
ASCAP REIN DAD
SEHR ZEUS SILO
STALACTITE
ATA ENOCH MACHO
CONTESTTRYAGAIN
EDNAMAY EAGERLY
DOWSES REDSOX

Cover

In descending order of height, the structures are: Empire State Building, New York, 1,250 ft. (second from left); John Hancock Center, Chicago, 1,127 ft. (fourth from right); Transamerica Pyramid, San Francisco, 853 ft. (third from left); Gateway Arch, St. Louis, 630 ft. (left); Space Needle, Seattle, 605 ft. (third from right); Washington Monument, 555 ft. (second from right); Statue of Liberty, 305 ft. ground to torch (right); Sunsphere, 1982 World's Fair, Knoxville, 266 ft. (fourth from left).

39 Going Places

JOSEPH PAPA CHARLOT
UNTRUE UVULAS REFORCE
STRAFE NADERS EAGLETS
TOE FLYINGSAUCER LAOS
PETE ACEY CRUD FED
TARTLY AHEM JAR
TACO RECS CUD CATCALL
ARA GASLIGHT DAB OLLA
JURORS EAR EWERS ALAN
RAHS MAD OFA ASONG
ABICYCLEBUILT FORTWO
SPREE EOS OFF ERNE
IRON ANDES ICE AIRSAC
ZOOT VIE URSULINE CHI
ENDEMIC NBA BERG SHAD
XED COMP PRESTO
GPS DATA ASHE ENOS
SAUR COVEREDWAGON LEO
HELENAS PITMAN ROBBER
ERASURE ANOINT GROUPS
DOGSLED DENT SAYSSO

40 The ADFGX Cipher

1. ASSIGNATION. Meet agent six four at bookshop near dropbox Monday at ten P.M. (Alphabet square reads in straight horizontals.)
2. THEY'RE ONTO US. Cancel further meetings with informant. He is being watched. (Upward verticals beginning in right column.)
3. FLYBOYS. Plan to penetrate enemy lines by parachute. Stand by for radio signal. (Alternating horizontals beginning at bottom left.)
4. BETRAYAL? Espionage data erroneous. Suspect X is double agent. (Spiral starting at center.)

46 Picture Dominoes

The chain proceeds as follows: A-H, H-J, J-E, E-O, O-L, L-D, D-F, F-K, K-B, B-G, G-M, M-C, C-I, I-N, N-A.

EUREKA

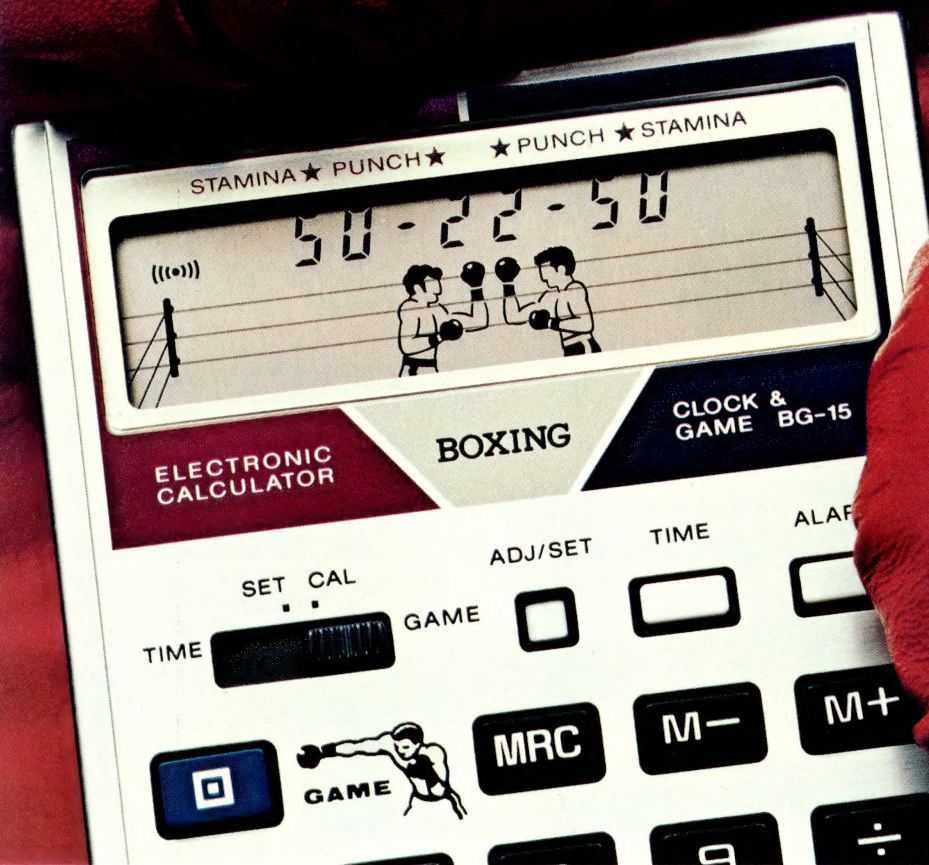
EUREKA is dedicated to those venturesome spirits who, never settling for a ready answer, have fought their way to a better, more elegant, or more complete solution than one previously given in the Answer Drawer.

★ **Wtht Vwls** (March/April, page 34). Linda Michaelis of Flushing, NY, was the first reader to point out that the word AUSTERITY scores one point more than our choice, SATURATE, as a word formed by adding vowels to the consonant set STRT. Verna Close of Salem, WI, was the first to improve on PERIODIC with APERIODIC for the consonant set PRDC. And Kyle Corbin of Raleigh, NC, found not only the above improvements but also ELAEOLITE (2 letters longer than LOYALTY) and AYACAHUITE (3 letters longer than CHATEAU).

★ **On the Dot** (March/April, page 61). Michael Wells and Michael Strusiak of Flushing, NY, and Shannon Strauss of Milwaukie, OR, were among the readers who found two other words with three consecutive dotted letters, equaling our own best effort, "hijinks." Their solutions are "hajji" and "sijji," both foreign words that can be found in some English dictionaries.

★ **Dinner is Served** (January/February, page 66). Kyle Corbin of Raleigh, NC, has found no fewer than 17 additional words listed in Webster's Third that contain a double v—BIVVY, CAVVY, CHIVVY, HIVVITE, IVVER, KAVVANAH, NEVVY, SCIVVY, SHIVVING, SIVVY BEAN, SKIVVY, SLIVVER, SNAVVLE, SPIVVY, SWIVVET, TRIVVET, and V-VALUE.

Any calculator can count to ten. This one can knock you out first.



The Contender. From Casio.

The Contender is a full-function memory calculator with a built-in clock and alarm, all featuring Casio design and accuracy. But what really gives it its wallop is a boxing game that will put you to the test.

You control your fighter's every move. You make him jab, hook, and throw combinations. And you'd better keep him away from The Contender's lethal punches. Because if he tags your man with a good one, your man falls to the

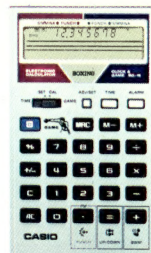
canvas, and The Contender raises his arm in victory.

Each time you land a blow, The Contender memorizes it and forces you to try another strategy. He won't fall for the same sucker punch twice.

The Contender gives you 8 rounds to knock him out, and you can rack up points in up to 99 fights. The highest score is recorded and held in the memory until another fearless fisticuffer can beat it.

You won't win a million

dollar purse for knocking out The Contender. But, then again, this amazingly sophisticated calculator sells for an amazingly low price. So put up your dukes, and may the best man (or machine) win.



CASIO®

Where miracles never cease

Landmark Smoker Study:

Merit Taste Scores!

Newest research confirms MERIT delivers taste of cigarettes having up to twice the tar.

One low tar cigarette consistently proves it can meet the taste demands of higher tar smokers.

The cigarette: 'Enriched Flavor'™ MERIT.

MERIT Beats Toughest Competitors.

In impartial tests where brand identity was concealed, the *overwhelming majority* of smokers reported MERIT taste

equal to—or better than—leading higher tar brands.

Moreover, when tar levels were revealed, 2 out of 3 chose the MERIT combination of low tar and good taste.

Year after year, in study after study, MERIT remains unbeaten. The *proven* taste alternative to higher tar smoking—is MERIT.



MERIT

Kings & 100's

Warning: The Surgeon General Has Determined
That Cigarette Smoking Is Dangerous to Your Health.

© Philip Morris Inc. 1982

Reg: 8 mg "tar," 0.6 mg nicotine—Men: 7 mg "tar," 0.5 mg nicotine—100's Reg: 9 mg "tar," 0.7 mg nicotine—100's Men: 10 mg "tar," 0.8 mg nicotine av. per cigarette, FTC Report Mar '81